M32 D(86)-1

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

JANUARY 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M32D(86)-1
Issued April 1986

The statistics in this publication are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 6.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
January	542,943	488,467	62,951	33,143	30,497	37,779	23,760	19,857	4,408
1985									
Total	7,041,909	6,605,400	890,961	371,196	369,680	452,303	408,435	366,370	78,781
December	561,099	416,639	56,013	31,699	31,708	37,698	23,142	16,438	3,640
November	583,649	499,843	67,037	33,550	31,305	38,647	25,357	19,408	4,224
October	662,364	646,795	86,876	36,988	35,169	43,169	35,513	29,497	6,320
September	611,904	629,744	84,040	33,688	32,261	38,794	35,294	34,665	7,635
August	670,058	685,992	90,753	34,115	33,937	42,239	36,509	32,128	7,040
July	649,416	657,268	93,055	27,699	32,352	40,057	46,215	46,785	9,902
June	612,118	630,103	84,322	31,035	31,813	38,906	40,528	34,240	7,181
May	622,557	635,839	85,561	29,983	31,120	38,449	42,529	37,310	7,944
April	571,313	601,386	82,061	29,215	29,361	35,921	41,498	35,993	7,627
March	527,084	535,875	72,831	29,721	29,986	36,184	34,058	31,020	6,552
February	460,003	321,491	42,984	25,754	24,512	30,193	21,734	22,861	5,111
January	510,344	344,425	45,428	27,749	26,156	32,046	26,058	26,025	5,605

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	January 1986			December 1985		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	542,943	488,467	62,951	561,099	416,639	56,013
New England[1]	8,867	7,290	1,227	9,038	7,968	1,300
Middle Atlantic[2]	40,313	30,345	4,957	45,046	32,146	5,249
East North Central	45,192	30,433	4,549	47,188	30,083	4,451
Ohio	31,530	19,124	3,147	31,551	17,631	2,920
Other (Illinois, Indiana, Michigan, and Wisconsin)	13,662	11,309	1,402	15,637	12,452	1,531
West North Central	25,406	18,405	3,425	24,847	13,362	2,521
Kansas and Missouri	9,871	7,197	1,089	9,719	5,052	729
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	15,535	11,208	2,336	15,128	8,310	1,792
South Atlantic	202,276	198,355	19,932	208,628	157,944	17,422
Florida and Georgia	45,976	39,460	4,271	48,580	30,979	3,386
North Carolina	79,007	71,863	7,899	83,076	64,472	7,089
South Carolina	34,406	34,228	3,748	34,537	30,802	3,279
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	42,887	52,804	4,014	42,435	31,671	3,668
East South Central	79,434	81,724	8,892	85,571	72,444	7,806
Alabama	37,026	37,512	4,178	33,073	32,491	3,575
Kentucky and Tennessee	28,488	23,644	2,452	27,044	22,347	2,337
Mississippi	13,920	20,568	2,262	25,454	17,606	1,894
West South Central	102,828	90,536	13,440	102,096	76,582	11,666
Arkansas and Louisiana	22,125	21,113	3,231	21,954	18,525	2,880
Oklahoma	18,304	15,948	2,127	17,077	8,560	1,237
Texas	62,399	53,475	8,082	63,065	49,497	7,549
Mountain	22,193	17,944	3,554	23,755	15,193	2,959
Colorado, New Mexico, and Wyoming	9,705	8,713	1,619	9,627	6,962	1,272
Other (Arizona, Idaho, Montana, Nevada, and Utah)	12,488	9,231	1,935	14,128	8,231	1,687
Pacific[3]	16,434	13,435	2,975	14,930	10,917	2,639
California	11,465	8,775	2,070	10,525	7,163	1,831
Oregon and Washington	4,969	4,660	905	4,405	3,754	808

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	January 1986			December 1985		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)..... M brick..	128	[b]542,943	[b]488,467	[b]62,951	[b]561,099	[b]416,639	[b]56,013
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....	5	(D)	(D)	(D)	(D)	(D)	(D)
32510 61	Structural clay tile, except facing.....Short tons.	6	[b]5,081	[a]3,912	[c]863	[b]4,682	[a]2,406	[c]539
32530 00	Clay floor and wall tile, including quarry tile.....M sq. ft.	(X)	33,143	30,497	37,779	31,699	31,708	37,698
32530 09	Glazed floor and wall tile.....do..	25	[c]24,925	[c]22,504	[b]26,260	[c]23,245	[b]24,134	[b]26,684
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	7	[b]3,428	[b]3,534	[b]5,403	[b]3,145	[b]3,108	[b]4,914
32530 53								
32530 71	Quarry tile.....do..	13	[b]4,790	[a]4,459	[a]6,116	5,309	4,466	6,100
32591 00	Vitrified clay sewer pipe and fittings.....do..	10	[c]23,760	[c]19,857	[c]4,408	[c]23,142	[c]16,438	[b]3,640

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1 2]	January 1986			December 1985		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	542,943	488,467	62,951	561,099	416,639	56,013
	Region 1	8,867	7,290	1,227	9,038	7,968	1,300
	Region 2 and 4	53,800	31,910	5,224	55,845	34,546	5,618
	Region 3 and 7	68,577	72,877	7,217	66,979	50,815	6,703
	Region 5 and 21	34,190	31,940	4,295	38,641	22,151	3,013
	Region 6	15,535	11,208	2,336	15,128	8,310	1,792
	Region 8	79,007	71,863	7,899	83,076	64,472	7,089
	Region 9	34,406	34,228	3,748	34,537	30,822	3,279
	Region 10 and 11	111,490	100,616	10,901	108,697	85,817	9,298
	Region 12 and 14	36,045	41,681	5,493	47,408	36,131	4,774
	Region 13	62,399	53,475	8,082	63,065	49,497	7,549
	Region 15	9,705	8,713	1,619	9,627	6,962	1,272
	Region 16, 17, and 18	12,488	9,231	1,935	14,128	8,231	1,687
	Region 19	11,465	8,775	2,070	10,525	7,163	1,831
	Region 20	4,969	4,660	905	4,405	3,754	808

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region	M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.	9	7C	South Carolina.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.	10	8	Kentucky
			11	9	Alabama, Florida, Georgia, and Tennessee.
			12	10	Louisiana and Mississippi.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.	13	11	Texas.
			14	11A	Arkansas.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.	15	12	Colorado, New Mexico, and Wyoming.
			16	13	Idaho and Montana.
			17	14	Nevada and Utah.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.	18	15	Arizona.
			19	16	California
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.	20	17	Oregon and Washington.
7	7A	District of Columbia, Maryland, and Virginia.	21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Charlton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.
8	7B	North Carolina.			

Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	JANUARY 1986														
	Total		(D)	(D)	(X)	947	863	(X)	(D)	(X)	38,980	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	488,467	62,951	1,537	217	198	0.3	0.3	5,329	618	492,259	63,352	1.1	1.0
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	(D)	(D)	(X)	295	269	(X)	(D)	(X)	216	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	3,912	863											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	30,497	37,779	322	435	396	1.1	1.2	44,935	38,146	75,110	75,490	59.8	50.5
	DECEMBER 1985														
	Total		(D)	(D)	(X)	773	704	(X)	(D)	(X)	29,545	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	416,639	56,013	1,045	139	126	0.3	0.2	4,230	461	419,824	56,335	1.0	0.8
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	(D)	(D)	(X)	134	122	(X)	(D)	(X)	112	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	2,406	539											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	31,708	37,698	462	500	456	1.5	1.3	34,667	28,972	65,913	66,170	52.6	43.8

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1981 which are published in Origin of Exports of Manufactured Products, MA3(AS)-5, appendix B. The adjustment factor for this report is 0.9111.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

Table 6. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED CODES, SCHEDULE B EXPORT NUMBERS, AND TSUSA IMPORT NUMBERS: 1986

Product codes	Product description	Export number	Product description	Import number	Product description
32511 11	Brick (building or common and face)		Ceramic bricks, not coated in whole or in part with engobe, glaze, or enamel:		Ceramic bricks:
		532.1120	Solid bricks		Not coated in whole or in part with engobe, glaze, or enamel
		532.1140	Hollow bricks	532.1120	Solid bricks
				532.1140	Hollow bricks
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	532.6120	Ceramic bricks coated in whole or in part with engobe, glaze, or enamel; structural clay tile	532.1400	Ceramic brick: Coated in whole or in part with engobe, glaze, or enamel
32512 11	Structural clay tile, except facing			532.6110	Other construction articles Structural clay tiles
					Ceramic tiles: Floor and wall tiles: Mosaic tiles Tiles in bulk (not mounted) and tiles in sheets having per sq. ft. not over 300 tiles, most of which have faces bounded entirely by straight lines:
32530 00	Clay floor and wall tile, including quarry tile	532.2900	Ceramic floor and wall tile	532.2020	Glazed
				532.2040	Other
				532.2200	Other
				532.2400	Other Glazed
				532.2700	Other

REGIONAL MARKETING AREAS FOR BRICK

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers manufacturers of clay products, including brick, tile, pipe, and fittings.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census monthly Form M32D, Clay Construction Products. The panel for this survey consists of all known producers of clay construction products, approximately 180 companies.

Survey Error. Figures for the current month may include estimates for panel members for which reports were not received in time for tabulation. Such missing figures are "imputed" based on month-to-month movements shown by reporting firms. Imputation generally is limited to a maximum of 25 percent for any one data cell. Figures with imputation rates greater than 25 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous months may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Reporting Period Adjustment. The data are adjusted for the number of working days in the reporting period to compensate for differences in individual company reporting patterns, i.e., calendar month, 4-week, 5-week periods. Since the calendar month accounting system prevails in this industry, adjustments have been made to those reporting on other than a calendar month basis.

EXPLANATION OF TERMS

Building or Common Brick. Any brick made primarily for building purposes and not especially treated for texture or color.

Facing Brick. Brick made especially for facing purposes, often treated to produce surface texture, and made of selected clays or otherwise treated to produced desired color.

Facing Tile. Tile designed for use in exterior or interior walls, partitions, or columns where the faces of the units are to be left exposed.

Ceramic Glazed Brick. Brick having a glaze of bright satin or glass finish obtained by spraying the clay body with a compound of metallic oxides, chemicals, and clays, and burning at high temperature, fusing the glaze to the body, making them inseparable.

Structural Clay Tile. A hollow masonry building unit composed of burned clay, shale, fire clay, or mixtures thereof, and having parallel air cells.

Quarry Tile. Glazed or unglazed tile made by the extrusion process from natural clay or shale usually having six square inches (39 square centimeters) or more of facial area.

Ceramic Mosiac Tile. Tile having a facial area of less than 6 square inches.

Vitrified. That characteristic of a clay product resulting when the temperature in the kiln is sufficient to fuse all the grains and close all the pores of the clay, making the mass impervious.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output.* Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports.* Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

  Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- *Imports.* Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for

incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low Value Export and Import Transactions. Detailed commodity information is not included for individual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Export. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

RELATED REPORTS

An annual Current Industrial Report also is published in this series. The annual report summarizes monthly figures and incorporates known revisions for both the current and previous year. It also provides a single reference copy to replace the monthly publications.

The Bureau of the Census publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
MQ32C	Quarterly	*Refractories*
MQ34E	Quarterly	*Plumbing Fixtures*
Other Industry Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
Foreign Trade Reports		
FT 410	Monthly	*U.S. Exports-Schedule E—Commodity by Country*
FT 135	Monthly	*U.S. General Imports—Schedule A—Commodity by Country*

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports M32D	Jack Matthews	(301) 763-1462
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Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
February	492,498	409,398	54,582	32,589	30,500	37,351	23,129	12,842	2,779
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,041,909	6,605,400	890,961	371,196	369,680	452,303	408,435	366,370	78,781
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September	611,904	629,744	84,040	33,688	32,261	38,794	35,294	34,665	7,635
August	670,058	685,992	90,753	34,115	33,937	42,239	36,509	32,128	7,040
July	649,416	657,268	93,055	27,699	32,352	40,057	46,215	46,785	9,902
June	612,118	630,103	84,322	31,035	31,813	38,906	40,528	34,240	7,181
May	622,557	635,839	85,561	29,983	31,120	38,449	42,529	37,310	7,944
April	571,313	601,386	82,061	29,215	29,361	35,921	41,498	35,993	7,627
March	527,084	535,875	72,831	29,721	29,986	36,184	34,058	31,020	6,552
February	460,003	321,491	42,984	25,754	24,512	30,193	21,734	22,861	5,111

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.
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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent: value in thousands of dollars)

Division and State	February 1986			January 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	492,498	409,398	54,582	536,681	487,561	63,026
New England[1]	6,764	6,628	1,130	8,867	7,290	1,227
Middle Atlantic[2]	36,737	24,463	3,995	40,313	30,118	4,929
East North Central	38,859	25,295	3,902	45,192	30,433	4,565
Ohio	27,974	16,628	2,798	31,530	19,124	3,147
Other (Illinois, Indiana, Michigan, and Wisconsin)	10,885	8,667	1,104	13,662	11,309	1,418
West North Central	23,236	14,807	2,849	25,307	18,827	3,432
Kansas and Missouri	9,115	5,947	856	9,643	7,893	1,193
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	14,121	8,860	1,993	15,664	10,934	2,239
South Atlantic	184,914	156,643	17,136	197,330	197,148	19,847
Florida and Georgia	41,186	36,087	3,961	47,705	40,338	4,390
North Carolina	71,438	62,750	6,629	74,302	70,195	7,754
South Carolina	33,463	29,065	3,279	33,635	34,353	3,746
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	38,827	28,741	3,267	41,888	52,262	3,957
East South Central	85,300	75,006	8,167	79,434	81,724	8,890
Alabama	38,207	36,310	4,057	37,026	37,512	4,178
Kentucky and Tennessee	26,535	20,608	2,170	28,488	23,644	2,450
Mississippi	20,558	18,088	1,940	13,920	20,568	2,262
West South Central	85,729	80,061	11,845	102,730	90,541	13,440
Arkansas and Louisiana	18,760	17,830	2,735	22,125	21,113	3,231
Oklahoma	16,665	13,759	1,828	18,304	15,948	2,127
Texas	50,304	48,472	7,282	62,301	53,480	8,082
Mountain	16,786	15,149	3,024	22,193	17,944	3,554
Colorado, New Mexico, and Wyoming	8,728	7,033	1,309	9,705	8,713	1,619
Other (Arizona, Idaho, Montana, Nevada, and Utah)	8,058	8,116	1,715	12,488	9,231	1,935
Pacific[3]	14,173	11,346	2,534	15,115	13,536	3,122
California	9,608	7,626	1,737	10,261	9,017	2,134
Oregon and Washington	4,565	3,720	797	4,854	4,519	988

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1]Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2]Represents a combined total for New Jersey, New York, and Pennsylvania.
[3]No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	February 1986			January 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	128	[b]492,498	[b]409,398	[a]54,582	[b]536,681	[a]487,561	[a]63,026
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....do..	5	(D)	(D)	(D)	(D)	(D)	(D)
32510 61	Structural clay tile, except facing.....Short tons.	8	[b]5,643	[a]2,929	[c]628	[b]5,081	[a]3,918	[c]863
32530 00	Clay floor and wall tile, including quarry tile.....M sq. ft.	(X)	32,589	30,500	37,351	33,240	30,630	37,815
32530 09	Glazed floor and wall tile.....do..	25	[c]24,347	[c]22,175	[b]25,242	[c]24,925	[c]22,504	[b]26,260
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	7	[b]3,309	[b]3,543	[b]5,325	[b]3,428	[b]3,662	[b]5,395
32530 53								
32530 71	Quarry tile.....do..	15	4,933	4,782	6,784	[a]4,887	[a]4,464	[a]6,160
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	[c]23,129	[c]12,842	[c]2,779	[c]23,760	[c]19,858	[c]4,408

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1]Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2]Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	February 1986			January 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	492,498	409,398	54,582	536,681	487,561	63,026
	Region 1	6,764	6,628	1,130	8,867	7,290	1,227
	Region 2 and 4	49,106	27,312	4,521	53,800	31,683	5,196
	Region 3 and 7	61,351	44,692	5,817	67,578	72,335	7,160
	Region 5 and 21	29,746	26,201	3,510	33,962	32,636	4,415
	Region 6	14,121	8,860	1,993	15,664	10,934	2,259
	Region 8	71,438	62,730	6,629	74,302	70,195	7,754
	Region 9	33,463	29,065	3,279	33,635	34,353	3,746
	Region 10 and 11	105,928	93,005	10,188	113,219	101,494	11,018
	Region 12 and 14	39,318	35,918	4,675	36,045	41,681	5,493
	Region 13	50,304	48,472	7,282	62,301	53,480	8,082
	Region 15	8,728	7,033	1,309	9,705	8,713	1,619
	Region 16, 17, and 18	8,058	8,116	1,715	12,488	9,231	1,935
	Region 19	9,608	7,626	1,737	10,261	9,017	2,134
	Region 20	4,565	3,720	797	4,854	4,519	988

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	FEBRUARY 1986														
	Total		(D)	(D)	(X)	802	731	(X)	(D)	(X)	31,487	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	409,398	54,582	877	122	111	0.2	0.2	4,619	553	413,140	55,013	1.1	1.0
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	(D)	(D)	(X)	116	106	(X)	(D)	(X)	191	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	2,929	626											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	30,500	37,351	498	564	514	1.6	1.5	42,679	30,753	72,681	67,540	58.7	45.5
	JANUARY 1986														
	Total		(D)	(D)	(X)	947	863	(X)	(D)	(X)	38,980	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	487,561	63,026	1,537	217	198	0.3	0.3	5,329	618	491,353	63,427	1.1	1.0
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	(D)	(D)	(X)	295	269	(X)	(D)	(X)	216	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	3,918	863											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	30,630	37,815	322	435	396	1.1	1.2	44,935	38,146	75,243	75,526	59.7	50.5

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1981 which are published in Origin of Exports of Manufactured Products, M81(AS)-5, appendix B. The adjustment factor for this report is 0.9111.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M32D(86)-3

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Clay Construction Products

MARCH 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M32D(86)-3
Issued May 1986

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
March	569,414	545,405	74,248	34,625	31,760	38,642	17,739	18,880	4,119
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,041,909	6,605,400	890,961	371,196	369,680	452,303	408,435	366,370	78,781
December	561,099	416,639	56,013	31,699	31,708	37,698	23,162	16,438	3,640
November	583,649	499,843	67,037	33,550	31,305	38,647	25,357	19,408	4,224
October	662,364	646,795	86,876	36,988	35,169	43,169	35,513	29,497	6,320
September	611,904	629,744	84,040	33,688	32,261	38,794	35,294	34,665	7,635
August	670,058	685,992	90,753	34,115	33,937	42,239	36,509	32,128	7,050
July	649,416	657,268	93,055	27,699	32,352	40,057	46,215	46,785	9,902
June	612,118	630,103	84,322	31,035	31,813	38,906	40,528	34,240	7,181
May	622,557	635,839	85,561	29,983	31,120	38,449	42,529	37,310	7,944
April	571,313	601,386	82,061	29,215	29,361	35,921	41,498	35,993	7,627
March	527,084	535,875	72,831	29,721	29,986	36,184	34,058	31,020	6,552

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent: value in thousands of dollars)

Division and State	March 1986			February 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	569,414	545,405	74,248	495,609	408,043	54,595
New England[1]	5,116	7,226	1,230	6,764	6,628	1,130
Middle Atlantic[2]	44,244	38,739	6,540	36,737	24,463	3,995
East North Central	43,788	38,365	5,994	39,212	24,641	3,957
Ohio	31,833	24,583	4,149	28,043	16,853	2,839
Other (Illinois, Indiana, Michigan, and Wisconsin)	11,955	13,782	1,845	11,169	7,788	1,118
West North Central	22,993	20,998	4,062	23,236	14,809	2,849
Kansas and Missouri	9,006	8,565	1,281	9,115	5,947	856
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	13,987	12,433	2,781	14,121	8,862	1,993
South Atlantic	220,341	214,470	24,270	182,234	155,990	17,096
Florida and Georgia	49,298	46,452	5,074	41,186	36,087	3,961
North Carolina	87,956	84,197	9,430	71,438	62,906	6,629
South Carolina	38,786	37,563	4,123	33,463	29,065	3,279
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	44,301	46,258	5,643	36,147	27,932	3,227
East South Central	101,039	91,078	10,258	85,300	75,006	8,167
Alabama	44,448	40,459	4,504	38,207	36,310	4,057
Kentucky and Tennessee	28,228	28,598	3,069	26,535	20,608	2,170
Mississippi	28,363	22,021	2,685	20,558	18,088	1,940
West South Central	99,094	100,083	14,817	91,179	80,011	11,867
Arkansas and Louisiana	20,833	22,905	3,479	18,417	17,404	2,693
Oklahoma	16,508	15,312	2,095	16,673	13,469	1,794
Texas	61,753	61,866	9,243	56,089	49,138	7,380
Mountain	16,627	18,629	3,633	16,786	15,149	3,024
Colorado, New Mexico, and Wyoming	9,607	8,858	1,654	8,728	7,033	1,309
Other (Arizona, Idaho, Montana, Nevada, and Utah)	7,020	9,971	1,979	8,058	8,116	1,715
Pacific[3]	16,172	15,617	3,444	14,161	11,346	2,510
California	11,219	9,873	2,221	9,596	7,626	1,713
Oregon and Washington	4,953	5,744	1,223	4,565	3,720	797

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	March 1986			February 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	130	[b]569,414	[b]545,405	74,248	[a]495,609	[a]408,043	[a]54,595
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	6	(D)	(D)	(D)	(D)	(D)	(D)
32510 61	Structural clay tile, except facing....Short tons.	8	[b]5,940	[a]4,921	[c]1,072	[b]5,643	[a]2,929	[c]626
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	34,625	31,760	38,642	33,043	30,762	37,870
32530 09	Glazed floor and wall tile.....do..	25	[c]26,633	[b]23,225	[b]26,425	[c]24,604	[b]22,575	[b]25,811
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2]....do..	8	[b]2,998	[b]3,719	[b]5,852	[b]3,413	[b]3,405	[b]3,275
32530 53								
32530 71	Quarry tile....do..	15	[a]4,994	[a]4,816	[a]6,365	5,026	4,782	6,784
32591 00	Vitrified clay sewer pipe and fittings....do..	10	[c]17,739	[c]18,880	[c]4,119	[c]22,746	[c]12,874	[b]2,811

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent: value in thousands of dollars)

Product code	Regional marketing area[1] [2]	March 1986			February 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	569,414	545,405	74,248	495,609	408,043	54,595
	Region 1	5,116	7,226	1,230	6,764	6,628	1,130
	Region 2 and 4	56,589	43,823	7,328	49,456	27,674	4,688
	Region 3 and 7	68,187	70,809	9,760	58,671	43,883	5,777
	Region 5 and 21	33,071	32,607	4,465	29,754	24,895	3,364
	Region 6	13,987	12,433	2,781	14,121	8,862	1,993
	Region 8	87,956	84,197	9,430	71,438	62,906	6,629
	Region 9	38,786	37,563	4,123	33,463	29,065	3,279
	Region 10 and 11	121,974	115,509	12,647	105,928	93,005	10,188
	Region 12 and 14	49,196	44,926	6,164	38,975	35,492	4,633
	Region 13	61,753	61,866	9,243	56,089	49,138	7,380
	Region 15	9,607	8,858	1,654	8,728	7,033	1,309
	Region 16, 17, and 18	7,020	9,971	1,979	8,058	8,116	1,715
	Region 19	11,219	9,873	2,221	9,596	7,626	1,713
	Region 20	4,953	5,744	1,223	4,565	3,720	797

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laclede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	MARCH 1986														
	Total		(D)	(D)	(X)	919	787	(X)	(D)	(X)	30,855	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	345,405	74,248	2,596	325	278	0.5	0.4	5,897	600	348,706	74,323	1.1	0.8
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	(D)	(D)	(X)	105	90	(X)	(D)	(X)	426	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	5,940	4,921											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	31,760	38,642	271	489	419	0.9	1.3	40,128	29,829	71,617	67,982	56.0	43.9
	FEBRUARY 1986														
	Total		(D)	(D)	(X)	802	687	(X)	(D)	(X)	31,487	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	408,043	54,595	877	122	105	0.2	0.2	4,619	553	411,785	55,026	1.1	1.0
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	(D)	(D)	(X)	116	99	(X)	(D)	(X)	181	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	5,643	2,929											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	30,762	37,870	498	564	483	1.6	1.5	42,679	30,753	72,943	68,059	58.5	45.2

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1981 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M32 D(86)- 4

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

APRIL 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M32D(86)-4
Issued July 1986

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
April	627,022	678,202	91,741	40,654	38,732	48,906	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	r7,142,119	r6,833,672	r936,099	r486,861	r436,690	r91,859	r392,999	r393,494	r473,383
December	567,033	430,436	58,979	28,628	21,321	4,584	35,058	35,365	40,941
November	592,713	519,557	70,920	32,104	24,221	5,112	36,589	34,597	41,763
October	673,161	671,891	92,542	43,463	36,930	7,727	40,332	38,904	46,601
September	626,804	657,516	88,968	42,542	41,999	9,001	35,503	33,507	39,822
August	672,788	700,476	94,515	43,825	38,104	8,097	35,761	35,863	43,880
July	652,961	674,456	92,844	54,635	55,689	11,497	28,940	34,440	41,591
June	613,237	635,509	90,336	47,787	41,142	8,459	32,479	33,548	40,381
May	641,033	673,780	91,932	53,267	43,691	9,136	31,809	33,389	40,630
April	584,073	628,745	86,836	48,169	42,169	8,782	30,163	30,467	36,621
March	537,990	556,434	76,203	39,009	36,097	7,498	30,579	31,018	36,828
February	464,212	331,420	44,761	24,652	26,316	5,793	27,561	26,463	31,865
January	516,114	353,452	47,263	28,780	29,011	6,173	28,225	25,933	32,460

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	April 1986			March 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	627,022	678,202	91,741	566,559	543,664	73,950
New England[1]	9,463	9,508	1,617	5,116	7,225	1,230
Middle Atlantic[2]	46,846	50,593	8,510	43,910	39,401	6,669
East North Central	54,532	60,462	9,176	43,629	38,053	5,937
Ohio	35,812	35,308	6,011	31,833	24,583	4,149
Other (Illinois, Indiana, Michigan, and Wisconsin)	18,720	25,154	3,165	11,796	13,470	1,788
West North Central	27,434	30,559	5,344	22,797	20,806	3,840
Kansas and Missouri	10,083	11,201	1,666	9,006	8,565	1,281
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	17,351	19,358	3,678	13,791	12,241	2,559
South Atlantic	235,801	260,879	29,564	220,104	214,408	24,301
Florida and Georgia	51,998	55,285	6,054	49,298	46,452	5,074
North Carolina	90,291	104,330	11,624	87,956	84,197	9,430
South Carolina	42,183	45,660	5,024	38,786	37,563	4,123
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	51,329	55,604	6,862	44,064	46,196	5,674
East South Central	107,607	110,197	12,094	101,039	91,163	10,266
Alabama	44,776	47,139	5,319	44,448	40,459	4,504
Kentucky and Tennessee	31,756	37,172	3,989	28,228	28,598	3,069
Mississippi	31,075	25,886	2,786	28,363	22,106	2,693
West South Central	108,847	118,918	17,389	99,265	99,973	14,777
Arkansas and Louisiana	22,699	24,482	3,654	20,833	22,905	3,479
Oklahoma	16,919	19,870	2,617	16,508	15,312	2,095
Texas	69,229	74,566	11,118	61,924	61,756	9,203
Mountain	20,986	19,243	3,616	15,422	17,419	3,317
Colorado, New Mexico, and Wyoming	9,113	8,950	1,587	8,402	7,449	1,338
Other (Arizona, Idaho, Montana, Nevada, and Utah)	11,873	10,293	2,029	7,020	9,970	1,979
Pacific[3]	15,506	17,843	4,431	15,277	15,216	3,613
California	9,888	11,673	3,099	10,324	9,472	2,390
Oregon and Washington	5,618	6,170	1,332	4,953	5,744	1,223

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	April 1986			March 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	127	[b]627,022	[b]678,202	91,741	[b]566,559	[a]543,664	[a]73,950
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	(D)	(D)	(D)	(D)	(D)	(D)
32510 61	Structural clay tile, except facing....Short tons.	7	[b]5,065	[a]5,515	[c]1,234	[b]5,940	[a]4,921	[c]1,072
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	40,654	38,732	48,906	34,674	31,813	38,790
32530 09	Glazed floor and wall tile....do..	26	[c]31,688	[b]29,308	[b]35,585	[c]26,642	[b]23,229	[b]26,432
32530 10	Unglazed floor and wall tile...do..							
32530 13 / 32530 53	Glazed and unglazed ceramic mosaic tile[2]....do..	7	[b]3,635	[b]4,217	[b]6,391	[b]3,052	[b]3,719	[b]5,852
32530 71	Quarry tile....do..	14	5,331	5,207	6,930	4,980	4,865	6,506
32591 00	Vitrified clay sewer pipe and fittings....do..	9	31,491	27,021	6,070	18,154	17,299	3,740

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	April 1986			March 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	627,022	678,202	91,741	566,559	543,664	73,950
	Region 1	9,463	9,508	1,617	5,116	7,225	1,230
	Region 2 and 4	61,739	63,871	10,416	52,847	42,263	7,009
	Region 3 and 7	80,972	88,228	12,393	71,358	72,969	10,239
	Region 5 and 21	36,998	45,631	6,022	32,912	32,295	4,408
	Region 6	17,351	19,358	3,678	13,791	12,241	2,559
	Region 8	90,291	104,330	11,624	87,956	84,197	9,430
	Region 9	42,183	45,660	5,024	38,786	37,563	4,123
	Region 10 and 11	128,530	139,596	15,362	121,974	115,509	12,647
	Region 12 and 14	53,774	50,368	6,440	49,196	45,011	6,172
	Region 13	69,229	74,566	11,118	61,924	61,756	9,203
	Region 15	9,113	8,950	1,587	8,402	7,449	1,338
	Region 16, 17, and 18	11,873	10,293	2,029	7,020	9,970	1,979
	Region 19	9,888	11,673	3,099	10,324	9,472	2,390
	Region 20	5,618	6,170	1,332	4,953	5,744	1,223

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region	M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.	9	7C	South Carolina.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga.	10	8	Kentucky
		Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.	11	9	Alabama, Florida, Georgia, and Tennessee.
			12	10	Louisiana and Mississippi.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren.	13	11	Texas.
		All of the State of Delaware.	14	11A	Arkansas.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter.	15	12	Colorado, New Mexico, and Wyoming.
		All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.	16	13	Idaho and Montana.
			17	14	Nevada and Utah.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.	18	15	Arizona.
			19	16	California
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.	20	17	Oregon and Washington.
7	7A	District of Columbia, Maryland, and Virginia.	21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.
8	7B	North Carolina.			

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	APRIL 1986														
	Total		(D)	(D)	(X)	687	589	(X)	(D)	(X)	35,268	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	678,202	91,741	3,034	386	331	0.4	0.4	4,896	563	680,064	91,918	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	(D)	(D)	(X)	56	48	(X)	(D)	(X)	226	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	5,515	1,234											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	38,732	48,906	208	245	210	0.5	0.5	41,172	34,479	79,696	83,140	51.7	41.5
	MARCH 1986														
	Total		(D)	(D)	(X)	919	787	(X)	(D)	(X)	30,855	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	543,664	73,950	2,596	325	278	0.5	0.4	5,897	600	546,965	74,225	1.1	0.8
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	(D)	(D)	(X)	105	90	(X)	(D)	(X)	426	(X)	(D)	(X)	(D)
32512 11	Structural clay tile	Short tons	4,921	1,072											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	31,813	38,790	271	489	419	0.9	1.3	40,128	29,829	71,670	68,130	56.0	43.8

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1981 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M32D(86)-5

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

MAY 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M32D(86)-5
Issued August 1986

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
May	620,010	679,494	92,546	r38,656	r35,821	r44,499	33,840	32,474	7,319
April	626,202	681,697	93,476	r38,188	r36,187	r44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	486,861	436,690	91,859	392,999	393,494	473,383
December	567,033	430,436	58,979	28,628	21,321	4,584	35,058	35,365	40,941
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October	673,161	671,891	92,542	43,463	36,930	7,727	40,332	38,904	46,601
September	626,804	657,516	88,968	42,542	41,999	9,001	35,503	33,507	39,822
August	672,788	700,476	94,515	43,825	38,104	8,097	35,761	35,863	43,880
July	652,961	674,456	92,844	54,635	55,689	11,497	28,940	34,440	41,591
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February	464,212	331,420	44,761	24,652	26,316	5,793	27,561	26,463	31,865
January	516,114	353,452	47,263	28,780	29,011	6,173	28,225	25,933	32,460

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

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C3.158:

Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	May 1986			April 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	620,010	679,494	92,546	626,202	681,697	93,476
New England[1]	10,967	11,619	2,095	10,821	10,860	1,902
Middle Atlantic[2]	46,385	48,514	8,314	45,402	48,650	8,097
East North Central	48,267	55,358	8,712	54,449	59,650	11,070
Ohio	33,309	37,126	6,303	35,729	34,496	7,905
Other (Illinois, Indiana, Michigan, and Wisconsin)	14,958	18,232	2,409	18,720	25,154	3,165
West North Central	29,031	30,271	5,483	27,429	30,559	5,344
Kansas and Missouri	10,206	10,603	1,614	10,083	11,201	1,666
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	18,825	19,668	3,869	17,346	19,358	3,678
South Atlantic	232,336	265,702	30,418	236,738	261,943	29,753
Florida and Georgia	47,553	56,283	6,530	51,998	55,285	6,054
North Carolina	94,558	102,534	11,380	91,506	104,041	11,593
South Carolina	40,009	48,098	5,315	42,183	45,660	5,024
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	50,216	58,787	7,193	51,051	56,957	7,082
East South Central	115,809	117,915	12,758	111,025	119,327	12,810
Alabama	45,645	47,020	5,340	44,776	47,139	5,319
Kentucky and Tennessee	38,218	42,747	4,533	37,896	44,526	4,687
Mississippi	31,946	28,148	2,885	28,353	27,662	2,804
West South Central	102,446	110,297	16,266	103,492	112,829	16,749
Arkansas and Louisiana	21,602	23,369	3,432	22,699	24,482	3,654
Oklahoma	18,148	18,409	2,426	16,919	19,870	2,617
Texas	62,696	68,519	10,408	63,874	68,477	10,478
Mountain	17,198	20,273	3,794	20,986	19,243	3,616
Colorado, New Mexico, and Wyoming	9,018	9,250	1,649	9,113	8,950	1,587
Other (Arizona, Idaho, Montana, Nevada, and Utah)	8,180	11,023	2,145	11,873	10,293	2,029
Pacific[3]	17,571	19,545	4,706	15,860	18,636	4,135
California	12,615	13,310	3,398	10,191	12,492	2,827
Oregon and Washington	4,956	6,235	1,308	5,669	6,144	1,308

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	May 1986			April 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	127	[b]620,010	[b]679,494	[a]92,546	[a]626,202	[a]681,697	[a]93,476
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	6	(D)	(D)	(D)	(D)	(D)	(D)
32510 61	Structural clay tile, except facing....Short tons.	7	[b]6,009	[a]5,326	[c]1,170	[b]5,065	[a]5,515	[c]1,234
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	38,656	35,821	44,499	[r]38,188	[r]36,187	[r]44,440
32530 09	Glazed floor and wall tile....do..	28	[c]29,435	[b]26,078	[b]30,995	[r]29,222	[r]26,913	[r]31,393
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2]....do..	8	[b]3,278	[b]3,872	[b]6,019	[b]3,635	[b]4,067	[b]6,117
32530 53								
32530 71	Quarry tile....do..	15	5,943	5,871	7,485	5,331	5,207	6,930
32591 00	Vitrified clay sewer pipe and fittings....do..	10	[c]33,840	[b]32,474	[b]7,319	[c]31,491	[c]27,021	[c]6,070

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. [r]Revised by 5 percent or more from previously published figures.
(X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	May 1986			April 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	620,010	679,494	92,546	626,202	681,697	93,476
	Region 1	10,967	11,619	2,095	10,821	10,860	1,902
	Region 2 and 4	59,053	63,826	10,754	63,924	63,887	12,454
	Region 3 and 7	76,446	87,675	12,072	76,982	86,810	12,056
	Region 5 and 21	37,723	40,170	5,433	36,998	45,631	6,022
	Region 6	18,825	19,668	3,869	17,346	19,358	3,678
	Region 8	94,558	102,534	11,380	91,506	104,041	11,593
	Region 9	40,009	48,098	5,315	42,183	45,660	5,024
	Region 10 and 11	131,416	146,050	16,403	134,670	146,950	16,060
	Region 12 and 14	53,548	51,517	6,317	51,052	52,144	6,458
	Region 13	62,696	68,519	10,408	63,874	68,477	10,478
	Region 15	9,018	9,250	1,649	9,113	8,950	1,587
	Region 16, 17, and 18	8,180	11,023	2,145	11,873	10,293	2,029
	Region 19	12,615	13,310	3,398	10,191	12,492	2,827
	Region 20	4,956	6,235	1,308	5,669	6,144	1,308

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Charlton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[3]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	MAY 1986														
	Total	.....	(D)	(D)	(X)	1,008	864	(X)	(D)	(X)	34,777	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	679,494	92,546	3,131	365	313	0.5	0.4	5,865	676	682,228	92,857	0.9	0.7
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....	Thousand standard brick equivalents.	(D)	(D)	(X)	80	69	(X)	(D)	(X)	308	(X)	(D)	(X)	(D)
32512 11	Structural clay tile.....	Short tons.....	5,326	1,170											
32530 00	Clay floor and wall tile, including quarry tile.....	Thousand sq. ft....	35,821	44,499	370	563	482	1.0	1.3	38,147	33,793	73,598	77,729	51.8	43.5
	APRIL 1986														
	Total	.....	(D)	(D)	(X)	687	589	(X)	(D)	(X)	35,268	(X)	(D)	(X)	(D)
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	681,697	93,476	3,034	386	331	0.4	0.4	4,896	563	683,559	93,653	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....	Thousand standard brick equivalents.	(D)	(D)	(X)	56	48	(X)	(D)	(X)	226	(X)	(D)	(X)	(D)
32512 11	Structural clay tile.....	Short tons.....	5,515	1,234											
32530 00	Clay floor and wall tile, including quarry tile.....	Thousand sq. ft....	36,187	44,440	208	245	210	0.6	0.6	41,172	34,479	77,151	78,674	53.4	43.8

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-6

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

JUNE 1986

M32D(86)-6
Issued August 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

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Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
June	641,779	686,188	92,975	38,437	37,282	45,455	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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C 3. 158:

Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	June 1986			May 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	641,779	686,188	92,975	621,550	678,414	92,318
New England[1]	10,846	11,257	2,005	10,967	11,619	2,095
Middle Atlantic[2]	47,500	53,703	9,271	45,948	48,951	8,314
East North Central	51,077	57,833	8,945	47,883	54,948	8,634
Ohio	34,821	37,312	6,331	33,309	37,126	6,303
Other (Illinois, Indiana, Michigan, and Wisconsin)	16,256	20,521	2,614	14,574	17,822	2,331
West North Central	31,364	32,768	5,902	29,031	30,271	5,483
Kansas and Missouri	10,631	11,383	1,706	10,206	10,603	1,614
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	20,733	21,385	4,196	18,825	19,668	3,869
South Atlantic	244,470	266,146	29,754	236,123	268,598	30,480
Florida and Georgia	52,218	55,278	6,049	47,553	56,283	6,530
North Carolina	98,377	105,114	11,754	98,345	103,430	11,442
South Carolina	41,951	45,124	5,029	40,009	48,098	5,315
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	51,924	60,630	6,922	50,216	58,787	7,193
East South Central	113,321	117,423	12,656	115,809	117,915	12,758
Alabama	43,456	46,486	5,297	45,645	47,020	5,340
Kentucky and Tennessee	37,449	43,923	4,639	38,218	42,747	4,533
Mississippi	32,416	27,014	2,720	31,946	28,148	2,885
West South Central	104,456	107,441	15,948	100,721	108,234	15,983
Arkansas and Louisiana	21,428	23,247	3,442	21,602	23,369	3,432
Oklahoma	18,285	17,082	2,305	17,878	17,951	2,367
Texas	64,743	67,112	10,201	61,241	66,914	10,184
Mountain	19,946	20,174	3,741	17,198	20,273	3,794
Colorado, New Mexico, and Wyoming	8,955	9,288	1,649	9,018	9,250	1,649
Other (Arizona, Idaho, Montana, Nevada, and Utah)	10,991	10,886	2,092	8,180	11,023	2,145
Pacific[3]	18,799	19,443	4,753	17,870	19,605	4,777
California	13,153	13,273	3,444	12,735	13,456	3,465
Oregon and Washington	5,646	6,170	1,309	5,135	6,149	1,312

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	June 1986			May 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	126	[b]641,779	[b]686,188	[b]92,975	[b]621,550	[a]678,414	[a]92,318
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	[c]1,246	[c]4,009	[c]1,395	[c]2,860	[c]3,591	[c]1,110
32510 61	Structural clay tile, except facing....Short tons.	7	[b]4,590	[a]5,273	[c]1,164	[b]5,997	[a]5,313	[c]1,167
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	38,437	37,282	45,455	40,249	37,191	45,803
32530 09	Glazed floor and wall tile.....do..	27	[c]29,982	[c]28,078	[b]32,646	[b]30,590	[b]27,284	[b]31,982
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	8	[b]2,960	[b]3,536	[b]5,574	[b]3,730	[b]4,050	[b]6,356
32530 53								
32530 71	Quarry tile.....do..	14	5,495	5,648	7,235	5,929	5,857	7,465
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	[c]30,416	[c]27,963	[c]6,428	[c]31,900	[b]30,830	[b]6,976

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	June 1986			May 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	641,779	686,188	92,975	621,550	678,414	92,318
	Region 1	10,846	11,257	2,003	10,967	11,619	2,095
	Region 2 and 4	62,343	67,620	11,356	58,616	64,263	10,754
	Region 3 and 7	77,500	90,773	12,108	76,446	87,675	12,072
	Region 5 and 21	39,574	42,238	5,685	37,069	39,302	5,296
	Region 6	20,733	21,385	4,196	18,825	19,668	3,869
	Region 8	98,377	105,114	11,754	98,345	103,430	11,442
	Region 9	41,951	45,124	5,029	40,009	48,098	5,315
	Region 10 and 11	133,123	145,687	15,985	131,416	146,050	16,403
	Region 12 and 14	53,844	50,261	6,162	53,548	51,517	6,317
	Region 13	64,743	67,112	10,201	61,241	66,914	10,184
	Region 15	8,955	9,288	1,649	9,018	9,250	1,649
	Region 16, 17, and 18	10,991	10,886	2,092	8,180	11,023	2,145
	Region 19	13,153	13,273	3,444	12,735	13,456	3,465
	Region 20	5,646	6,170	1,309	5,135	6,149	1,312

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Charlton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1, 2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	JUNE 1986														
	Total		732,752	140,989	(X)	799	685	(X)	0.6	(X)	38,896	(X)	179,086	(X)	21.7
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	686,188	92,975	2,836	348	298	0.4	0.4	4,933	562	688,285	93,189	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	4,009	1,395	(X)	57	49	(X)	2.2	(X)	378	(X)	2,880	(X)	13.1
32512 11	Structural clay tile	Short tons	5,273	1,164											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	37,282	45,455	276	394	338	0.7	0.9	43,292	37,956	80,298	83,017	53.9	45.7
	MAY 1986														
	Total		724,509	140,398	(X)	1,008	864	(X)	0.6	(X)	34,777	(X)	174,167	(X)	20.0
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	678,414	92,318	3,131	365	313	0.5	0.4	5,865	676	681,148	92,629	0.9	0.7
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	3,591	1,110	(X)	80	69	(X)	3.5	(X)	308	(X)	2,505	(X)	12.3
32512 11	Structural clay tile	Short tons	5,313	1,167											
32530 00	Clay floor and wall tile, icluding quarry tile	Thousand sq. ft.	37,191	45,803	370	563	482	1.0	1.2	38,147	33,793	74,968	79,033	50.9	42.8

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-7

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

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M32D(86)-7
Issued September 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
July	664,918	697,408	96,216	38,516	38,578	48,840	36,365	32,480	7,369
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	July 1986			June 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	664,918	697,408	96,217	636,822	686,108	92,996
New England[1]	11,264	11,619	2,087	10,846	11,257	2,004
Middle Atlantic[2]	45,078	54,062	9,291	47,098	53,654	9,257
East North Central	53,271	62,339	9,560	51,077	57,833	8,945
Ohio	35,446	41,647	6,876	34,821	37,312	6,331
Other (Illinois, Indiana, Michigan, and Wisconsin)	17,825	20,692	2,684	16,256	20,521	2,614
West North Central	34,884	33,814	6,140	31,364	32,768	5,902
Kansas and Missouri	12,263	12,149	1,794	10,631	11,383	1,706
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	22,621	21,665	4,346	20,733	21,385	4,196
South Atlantic	247,284	259,800	29,897	240,190	266,624	29,809
Florida and Georgia	55,337	54,011	6,061	52,218	55,278	6,049
North Carolina	96,962	102,922	11,550	94,742	105,114	11,754
South Carolina	43,310	45,833	5,079	41,951	45,124	4,949
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	51,675	57,034	7,207	51,279	61,108	7,057
East South Central	118,375	118,902	12,958	113,067	116,949	12,642
Alabama	46,683	48,592	5,496	43,456	46,486	5,297
Kentucky and Tennessee	39,103	42,508	4,584	37,449	43,923	4,639
Mississippi	32,589	27,802	2,878	32,162	26,540	2,706
West South Central	113,456	116,533	17,370	104,435	107,406	15,943
Arkansas and Louisiana	23,018	24,844	3,714	21,428	23,247	3,442
Oklahoma	20,228	18,715	2,485	18,285	17,082	2,305
Texas	70,210	72,974	11,171	64,722	67,077	10,196
Mountain	22,392	20,487	3,868	19,946	20,174	3,741
Colorado, New Mexico, and Wyoming	9,746	9,513	1,723	8,955	9,288	1,649
Other (Arizona, Idaho, Montana, Nevada, and Utah)	12,646	10,974	2,145	10,991	10,886	2,092
Pacific[3]	18,914	19,852	5,045	18,799	19,443	4,753
California	12,840	13,356	3,634	13,153	13,273	3,444
Oregon and Washington	6,074	6,496	1,411	5,646	6,170	1,309

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	July 1986			June 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	125	664,918	697,408	96,216	[b]636,822	[b]686,108	[b]92,996
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	[c]1,069	[c]3,582	[c]1,082	[c]1,246	[c]4,009	[c]1,395
32510 61	Structural clay tile, except facing....Short tons.	8	[b]6,668	[b]6,924	[c]3,008	[b]5,740	[a]6,601	[b]2,723
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	38,516	38,578	48,840	39,090	37,746	46,525
32530 09	Glazed floor and wall tile.....do..	27	[c]29,167	[c]28,304	[c]34,339	[c]30,100	[b]28,321	[b]33,276
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	7	[b]3,354	[c]4,295	[b]6,615	[b]3,495	[b]3,777	[b]6,014
32530 53	Quarry tile.....do..	14	[b]5,995	[b]5,979	[b]7,886	5,495	5,648	7,235
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	[c]36,365	[c]32,480	[c]7,369	[c]30,416	[c]27,963	[c]6,428

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	July 1986			June 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	664,918	697,408	96,216	636,822	686,108	92,996
	Region 1	11,264	11,619	2,087	10,846	11,257	2,004
	Region 2 and 4	60,952	72,514	12,109	61,941	67,571	11,342
	Region 3 and 7	77,096	87,086	12,233	76,855	91,251	12,243
	Region 5 and 21	44,467	44,699	5,995	39,574	42,238	5,685
	Region 6	22,621	21,665	4,346	20,733	21,385	4,196
	Region 8	96,962	102,922	11,550	94,742	105,114	11,754
	Region 9	43,310	45,833	5,079	41,951	45,124	5,029
	Region 10 and 11	141,123	145,111	16,141	133,123	145,687	15,985
	Region 12 and 14	55,607	52,646	6,592	53,590	49,787	6,148
	Region 13	70,210	72,974	11,171	64,722	67,077	10,196
	Region 15	9,746	9,513	1,723	8,955	9,288	1,649
	Region 16, 17, and 18	12,646	10,974	2,145	10,991	10,886	2,092
	Region 19	12,840	13,356	3,634	13,153	13,273	3,444
	Region 20	6,074	6,496	1,411	5,646	6,170	1,309

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	JULY 1986														
	Total	.....	746,492	149,147	(X)	1,269	1,087	(X)	0.9	(X)	42,202	(X)	190,080	(X)	22.2
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	697,408	96,217	3,575	434	372	0.5	0.5	6,172	703	700,005	96,486	0.9	0.7
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....	Thousand standard brick equivalents.	3,582	1,082	(X)	192	164	(X)	4.7	(X)	208	(X)	4,106	(X)	5.1
32512 11	Structural clay tile.....	Short tons.....	6,924	3,008											
32530 00	Clay floor and wall tile, including quarry tile.....	Thousand sq. ft....	38,578	48,840	465	643	551	1.2	1.3	45,358	41,291	83,471	89,488	54.3	46.1
	JUNE 1986														
	Total	.....	734,464	143,639	(X)	799	685	(X)	0.6	(X)	38,896	(X)	181,736	(X)	21.7
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	686,108	92,996	2,836	348	298	0.4	0.4	4,933	562	688,205	93,210	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....	Thousand standard brick equivalents.	4,009	1,395	(X)	57	49	(X)	1.4	(X)	378	(X)	4,439	(X)	8.5
32512 11	Structural clay tile.....	Short tons.....	6,601	2,723											
32530 00	Clay floor and wall tile, including quarry tile.....	Thousand sq. ft....	37,746	46,525	276	394	338	0.7	0.8	43,292	37,956	80,762	84,087	53.6	45.1

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-8

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

AUGUST 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M32D(86)-8
Issued October 1986

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
August	646,726	667,768	91,289	41,076	37,872	47,030	31,019	27,940	6,256
July	663,975	699,970	96,278	38,667	39,075	49,352	36,053	32,830	7,318
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

Note: Since January 1973 the data have been adjusted for report-period variation. Comparable data are not available for previous year; however, the effect of this adjustment is considered to be negligible at the total level. See "Reporting Period Adjustment" in the text.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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C3. 158:

Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	August 1986			July 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	646,726	667,768	91,289	663,975	699,970	96,278
New England[1]	10,843	11,147	1,962	11,264	11,619	2,087
Middle Atlantic[2]	45,221	52,340	8,757	45,078	54,062	9,291
East North Central	53,192	58,972	9,291	53,117	62,662	9,540
Ohio	36,197	38,453	6,577	35,446	41,647	6,876
Other (Illinois, Indiana, Michigan, and Wisconsin)	16,995	20,519	2,714	17,671	21,015	2,664
West North Central	30,518	32,384	5,611	35,478	33,881	6,144
Kansas and Missouri	9,569	12,600	1,729	12,857	12,216	1,798
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	20,949	19,784	3,882	22,621	21,665	4,346
South Atlantic	246,053	248,653	28,649	247,303	259,722	29,903
Florida and Georgia	53,700	50,529	5,655	55,337	54,011	6,061
North Carolina	98,202	97,065	10,881	96,962	102,922	11,550
South Carolina	44,532	46,218	5,141	43,368	45,772	5,078
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	49,619	54,841	6,972	51,636	57,017	7,214
East South Central	112,302	117,514	12,830	115,870	119,517	13,037
Alabama	42,523	46,523	5,298	46,683	48,592	5,496
Kentucky and Tennessee	37,352	40,157	4,365	40,055	43,078	4,670
Mississippi	32,427	30,834	3,167	29,132	27,847	2,871
West South Central	108,836	107,596	15,891	114,945	117,737	17,505
Arkansas and Louisiana	22,005	23,985	3,557	22,968	25,022	3,727
Oklahoma	21,052	16,219	2,114	21,313	19,245	2,544
Texas	65,779	67,392	10,220	70,664	73,470	11,234
Mountain	20,500	20,769	3,726	22,105	20,358	3,867
Colorado, New Mexico, and Wyoming	9,330	8,889	1,573	9,746	9,513	1,723
Other (Arizona, Idaho, Montana, Nevada, and Utah)	11,170	11,880	2,153	12,359	10,845	2,144
Pacific[3]	19,261	18,393	4,572	18,815	20,412	4,904
California	13,508	12,092	3,291	12,656	12,957	3,554
Oregon and Washington	5,753	6,301	1,281	6,159	7,455	1,350

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	August 1986			July 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	125	[b]646,726	[b]667,768	[b]91,289	[a]663,975	[a]699,970	[a]96,278
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	[c]2,326	[c]3,982	[c]902	[c]1,069	[c]3,582	[c]1,082
32510 61	Structural clay tile, except facing....Short tons.	8	[b]7,659	[b]7,329	[c]3,627	[b]6,668	[b]6,924	[c]3,008
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	41,076	37,872	47,030	38,667	39,075	49,352
32530 09	Glazed floor and wall tile.....do..	27	[c]32,162	[c]29,402	[c]34,298	[c]28,836	[c]28,740	[c]34,642
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2]....do..	7	[b]2,864	[b]3,345	[b]5,236	[b]3,908	[b]4,570	[b]7,137
32530 53								
32530 71	Quarry tile....do..	13	[a]6,050	5,125	7,496	5,923	5,765	7,573
32591 00	Vitrified clay sewer pipe and fittings....do..	9	31,019	27,940	6,256	36,053	32,830	7,318

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	August 1986			July 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	646,726	667,768	91,289	663,975	699,970	96,278
	Region 1	10,843	11,147	1,962	11,264	11,619	2,087
	Region 2 and 4	62,844	69,240	11,425	60,801	72,445	12,048
	Region 3 and 7	75,340	85,079	12,103	77,057	87,069	12,240
	Region 5 and 21	40,469	40,653	5,335	46,143	45,688	6,099
	Region 6	20,949	19,784	3,882	22,621	21,665	4,346
	Region 8	98,202	97,065	10,881	96,962	102,922	11,550
	Region 9	44,532	46,218	5,141	43,368	45,772	5,078
	Region 10 and 11	133,575	137,209	15,318	142,075	145,681	16,227
	Region 12 and 14	54,432	54,819	6,724	52,100	52,869	6,598
	Region 13	65,779	67,392	10,220	70,664	73,470	11,234
	Region 15	9,330	8,889	1,573	9,746	9,513	1,723
	Region 16, 17, and 18	11,170	11,880	2,153	12,359	10,845	2,144
	Region 19	13,508	12,092	3,291	12,656	12,957	3,554
	Region 20	5,753	6,301	1,281	6,159	7,455	1,350

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	AUGUST 1986														
	Total		716,951	142,848	(X)	1,199	1,027	(X)	0.8	(X)	44,648	(X)	186,297	(X)	24.0
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	667,768	91,289	3,622	467	400	0.5	0.5	4,512	562	668,658	91,384	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	3,982	902	(X)	85	73	(X)	1.9	(X)	237	(X)	4,681	(X)	5.1
32512 11	Structural clay tile	Short tons	7,329	3,627											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	37,872	47,030	516	647	554	1.4	1.4	47,555	43,849	84,911	90,232	56.0	48.6
	JULY 1986														
	Total		749,551	149,720	(X)	1,269	1,087	(X)	0.8	(X)	42,202	(X)	190,653	(X)	22.1
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	699,970	96,278	3,575	434	372	0.5	0.5	6,172	703	702,567	96,547	0.9	0.7
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	3,582	1,082	(X)	92	164	(X)	4.7	(X)	208	(X)	4,106	(X)	5.1
32512 11	Structural clay tile	Short tons	6,924	3,008											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	39,075	49,352	465	643	551	1.2	1.3	45,358	41,291	83,968	90,000	54.0	45.9

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 to the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M03(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M32D(86)-9

Clay Construction Products

SEPTEMBER 1986

M32D(86)-9
Issued November 1986

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The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
September	654,855	666,649	90,016	43,262	39,140	48,641	32,024	31,269	6,886
August	648,256	668,208	90,098	41,740	38,030	47,334	31,332	28,298	6,250
July	663,975	699,970	96,278	38,667	39,075	49,352	36,053	32,830	7,318
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

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C3.158:

Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	September 1986			August 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	654,855	666,649	90,016	648,256	668,208	90,098
New England[1]	11,268	11,501	2,012	10,843	11,147	1,962
Middle Atlantic[2]	46,872	54,434	9,034	44,943	52,544	8,793
East North Central	54,284	60,907	9,270	53,192	58,972	9,291
Ohio	36,290	36,636	6,188	36,197	38,453	6,577
Other (Illinois, Indiana, Michigan, and Wisconsin)	17,994	24,271	3,082	16,995	20,519	2,714
West North Central	28,253	32,301	5,695	30,518	32,384	5,611
Kansas and Missouri	10,277	11,275	1,675	9,569	12,600	1,729
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	17,976	21,026	4,020	20,949	19,784	3,882
South Atlantic	251,422	255,543	28,253	247,606	249,397	27,436
Florida and Georgia	53,699	49,247	5,575	53,700	50,529	5,655
North Carolina	101,118	104,545	11,899	98,202	97,065	10,881
South Carolina	42,351	44,393	4,891	44,532	46,218	5,141
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	54,254	57,358	5,888	51,172	55,585	5,759
East South Central	112,423	113,052	12,555	112,302	117,514	12,830
Alabama	44,641	45,959	5,327	42,523	46,523	5,298
Kentucky and Tennessee	38,223	38,244	4,306	37,352	40,157	4,365
Mississippi	29,559	28,849	2,922	32,427	30,834	3,167
West South Central	109,932	99,506	14,851	109,227	107,091	15,867
Arkansas and Louisiana	22,625	22,247	3,265	22,005	23,985	3,557
Oklahoma	20,358	14,308	1,932	21,444	15,714	2,090
Texas	66,949	62,951	9,654	65,778	67,392	10,220
Mountain	20,964	21,100	3,847	20,500	20,769	3,726
Colorado, New Mexico, and Wyoming	9,359	9,025	1,603	9,330	8,889	1,573
Other (Arizona, Idaho, Montana, Nevada, and Utah)	11,605	12,075	2,244	11,170	11,880	2,153
Pacific[3]	19,437	18,305	4,499	19,125	18,390	4,582
California	12,680	11,904	3,207	13,372	12,089	3,301
Oregon and Washington	6,757	6,401	1,292	5,753	6,301	1,281

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1]Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2]Represents a combined total for New Jersey, New York, and Pennsylvania.
[3]No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	September 1986			August 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face).....M brick..	125	[b]654,855	[b]666,649	[b]90,016	[a]648,256	[a]668,208	[a]90,098
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....do..	5	[c]2,801	[c]3,146	[c]665	[c]2,326	[c]3,982	[c]902
32510 61	Structural clay tile, except facing.....Short tons.	8	[b]6,627	[b]9,231	[c]4,053	[b]7,659	[b]7,329	[c]3,627
32530 00	Clay floor and wall tile, including quarry tile.....M sq. ft.	(X)	43,262	39,140	4R,641	41,740	38,030	47,334
32530 09	Glazed floor and wall tile.....do..	27	[b]34,159	[b]29,575	[b]35,073	[b]32,168	[b]29,395	[b]34,277
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	7	[b]3,533	[b]3,834	[b]5,820	[b]3,522	[b]3,510	[b]5,561
32530 53								
32530 71	Quarry tile.....do..	13	[a]5,570	5,731	7,748	[a]6,050	5,125	7,496
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	32,024	31,269	6,886	31,332	28,298	6,250

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1]Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2]Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	September 1986			August 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	654,855	666,649	90,016	648,256	668,208	90,098
	Region 1	11,268	11,501	2,012	10,843	11,147	1,962
	Region 2 and 4	64,874	70,457	11,405	62,566	69,444	11,461
	Region 3 and 7	79,807	87,679	11,012	76,893	85,823	10,890
	Region 5 and 21	41,364	40,146	5,382	40,861	40,148	5,311
	Region 6	17,976	21,026	4,020	20,949	19,784	3,882
	Region 8	101,118	104,545	11,899	98,202	97,065	10,881
	Region 9	42,351	44,393	4,891	44,532	46,218	5,141
	Region 10 and 11	136,563	133,450	15,208	133,575	137,209	15,318
	Region 12 and 14	52,184	51,096	6,187	54,432	54,819	6,724
	Region 13	66,949	62,951	9,654	65,778	67,392	10,220
	Region 15	9,359	9,025	1,603	9,330	8,889	1,573
	Region 16, 17, and 18	11,605	12,075	2,244	11,170	11,880	2,153
	Region 19	12,680	11,904	3,207	13,372	12,089	3,301
	Region 20	6,757	6,401	1,292	5,753	6,301	1,281

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1, 2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[3]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[5]	Quantity	Value[6]	Quantity	Value
	SEPTEMBER 1986														
	Total		718,106	143,375	(X)	1,381	1,193	(X)	1.0	(X)	38,990	(X)	180,991	(X)	21.5
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	666,649	90,016	6,307	749	642	0.9	0.8	4,471	523	664,813	89,790	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	3,146	465	(X)	195	166	(X)	4.1	(X)	180	(X)	4,704	(X)	3.8
32512 11	Structural clay tile	Short tons	9,231	4,053											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	39,140	48,641	495	438	375	1.3	0.9	41,993	38,296	80,638	86,497	52.1	44.3
	AUGUST 1986														
	Total		717,549	141,961	(X)	1,199	1,027	(X)	0.8	(X)	44,848	(X)	185,410	(X)	24.1
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	668,208	90,098	3,622	467	400	0.5	0.5	4,512	562	669,068	90,193	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	3,982	902	(X)	85	73	(X)	1.9	(X)	237	(X)	4,681	(X)	5.1
32512 11	Structural clay tile	Short tons	7,329	3,627											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	38,030	47,334	516	647	554	1.4	1.4	47,595	43,849	85,069	90,536	55.9	48.4

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M32D(86)-10

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

OCTOBER 1986

M32D(86)-10
Issued December 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

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Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
October	708,388	696,914	94,218	45,769	41,155	51,394	33,825	27,901	6,080
September	654,869	666,556	90,070	43,907	39,464	49,272	32,386	30,358	6,540
August	648,256	668,208	90,098	41,740	38,030	47,334	31,332	28,298	6,250
July	663,975	699,970	96,278	38,667	39,075	49,352	36,053	32,830	7,318
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	October 1986			September 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	708,388	696,914	94,218	654,869	666,556	90,070
New England[1]	12,145	12,092	2,134	11,268	11,500	2,012
Middle Atlantic[2]	47,069	53,680	8,888	46,872	54,434	9,034
East North Central	61,304	60,965	10,367	54,284	60,907	9,270
Ohio	40,308	36,776	7,244	36,290	36,636	6,188
Other (Illinois, Indiana, Michigan, and Wisconsin)	20,996	24,189	3,123	17,994	24,271	3,082
West North Central	31,858	33,862	5,881	28,231	32,219	5,687
Kansas and Missouri	10,925	12,366	1,770	10,255	11,193	1,667
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	20,933	21,496	4,111	17,976	21,026	4,020
South Atlantic	272,577	271,249	29,878	251,422	255,544	28,253
Florida and Georgia	60,507	54,267	6,040	53,699	49,247	5,575
North Carolina	108,834	107,122	12,228	101,118	104,545	11,899
South Carolina	45,632	48,422	5,353	42,351	44,393	4,891
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	57,604	61,438	6,257	54,254	57,359	5,888
East South Central	124,441	126,692	14,065	112,423	113,052	12,555
Alabama	49,111	52,747	6,003	44,641	45,959	5,327
Kentucky and Tennessee	42,093	41,365	4,671	38,223	38,244	4,306
Mississippi	33,237	32,580	3,391	29,559	28,849	2,922
West South Central	115,162	98,669	14,474	109,932	99,506	14,850
Arkansas and Louisiana	24,570	22,867	3,370	22,625	22,247	3,265
Oklahoma	19,906	15,046	1,952	20,358	14,308	1,932
Texas	70,686	60,756	9,152	66,949	62,951	9,653
Mountain	21,943	20,249	3,711	20,903	20,836	3,835
Colorado, New Mexico, and Wyoming	9,956	9,237	1,626	9,359	9,025	1,603
Other (Arizona, Idaho, Montana, Nevada, and Utah)	11,987	11,012	2,085	11,544	11,811	2,232
Pacific[3]	21,889	19,456	4,820	19,534	18,558	4,574
California	14,192	12,565	3,411	12,680	11,904	3,224
Oregon and Washington	7,697	6,891	1,409	6,854	6,654	1,350

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1] Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2] Represents a combined total for New Jersey, New York, and Pennsylvania.
[3] No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	October 1986			September 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face).....M brick..	123	[b]708,388	[b]696,914	[b]94,218	[b]654,869	[b]666,556	[b]90,070
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed.....do..	5	[c]2,989	[c]3,645	[c]766	[c]2,801	[c]3,146	[c]665
32510 61	Structural clay tile, except facing.....Short tons.	8	[b]6,877	[b]8,151	[c]3,769	[b]6,626	[b]9,231	[c]4,053
32530 00	Clay floor and wall tile, including quarry tile.....M sq. ft.	(X)	45,769	41,155	51,394	43,907	39,464	49,272
32530 09 32530 10 32530 13	Glazed floor and wall tile.....do.. Unglazed floor and wall tile...do.. Glazed and unglazed ceramic mosaic	27	[c]34,643	[b]31,108	[b]36,986	[b]34,164	[b]29,585	[b]35,104
32530 53	tile[2].....do..	8	[b]4,213	[c]3,420	[b]6,333	[b]4,173	[b]4,146	[b]6,416
32530 71	Quarry tile.....do..	15	6,913	6,627	8,075	[a]5,570	5,733	7,752
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	[c]33,825	[c]27,901	[c]6,080	[b]32,386	[b]30,358	[b]6,540

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1] Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2] Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1 2]	October 1986			September 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	708,388	696,914	94,218	654,869	666,556	90,070
	Region 1	12,145	12,092	2,134	11,268	11,500	2,012
	Region 2 and 4	68,864	69,360	12,172	64,874	70,457	11,405
	Region 3 and 7	85,291	93,374	11,670	79,807	87,680	11,012
	Region 5 and 21	42,653	40,761	5,392	41,342	40,064	5,374
	Region 6	20,933	21,496	4,111	17,976	21,026	4,020
	Region 8	108,834	107,122	12,228	101,118	104,545	11,899
	Region 9	45,632	48,422	5,353	42,351	44,393	4,891
	Region 10 and 11	151,711	148,379	16,714	136,563	133,450	15,208
	Region 12 and 14	57,807	55,447	6,761	52,184	51,096	6,187
	Region 13	70,686	60,756	9,152	66,949	62,951	9,653
	Region 15	9,956	9,237	1,626	9,359	9,025	1,603
	Region 16, 17, and 18	11,987	11,012	2,085	11,544	11,811	2,232
	Region 19	14,192	12,565	3,411	12,680	11,904	3,224
	Region 20	7,697	6,891	1,409	6,854	6,654	1,350

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region	M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.	9	7C	South Carolina.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.	10	8	Kentucky
			11	9	Alabama, Florida, Georgia, and Tennessee.
			12	10	Louisiana and Mississippi.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.	13	11	Texas.
			14	11A	Arkansas.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.	15	12	Colorado, New Mexico, and Wyoming.
			16	13	Idaho and Montana.
			17	14	Nevada and Utah.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.	18	15	Arizona.
			19	16	California
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.	20	17	Oregon and Washington.
7	7A	District of Columbia, Maryland, and Virginia.	21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Charlton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.
8	7B	North Carolina.			

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	OCTOBER 1986														
	Total		749,865	150,147	(X)	1,483	1,270	(X)	1.0	(X)	33,634	(X)	182,298	(X)	18.5
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	696,914	94,218	5,925	702	601	0.9	0.7	2,731	324	693,720	93,840	0.4	0.3
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	3,645	766	(X)	158	135	(X)	3.5	(X)	393	(X)	4,770	(X)	8.2
32512 11	Structural clay tile	Short tons	8,151	3,769											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	41,155	51,394	467	623	534	1.1	1.2	37,959	32,917	78,647	83,688	48.3	39.3
	SEPTEMBER 1986														
	Total		718,397	144,060	(X)	1,381	1,183	(X)	1.0	(X)	38,990	(X)	181,676	(X)	21.5
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	666,556	90,070	6,307	749	642	0.9	0.8	4,471	523	664,720	89,844	0.7	0.6
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	3,146	665	(X)	194	166	(X)	4.1	(X)	180	(X)	4,704	(X)	3.8
32512 11	Structural clay tile	Short tons	9,231	4,053											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	39,464	49,272	495	438	375	1.3	0.9	41,993	38,294	80,962	87,128	51.9	44.0

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.
[2] Source: Bureau of the Census report EM 546, U.S. Exports.
[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.
[4] Value calculations are based on the estimated producers' value of exports.
[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.
[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.
[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-11

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

NOVEMBER 1986

M32D(86)-11
Issued January 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

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Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
November	598,777	514,140	68,045	38,459	36,730	37,761	27,675	24,010	3,377
October	702,552	693,487	94,042	43,317	40,114	48,838	34,954	29,730	6,622
September	654,869	666,556	90,070	43,907	39,464	49,272	32,386	30,358	6,540
August	648,256	668,208	90,098	41,740	38,030	47,334	31,332	28,298	6,250
July	663,975	699,970	96,278	38,667	39,075	49,352	36,053	32,830	7,318
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	November 1986			October 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	598,777	514,140	68,045	702,552	693,487	94,042
New England[1]	9,883	8,916	1,576	12,145	12,092	2,134
Middle Atlantic[2]	41,884	39,958	6,452	47,069	53,680	8,888
East North Central	50,308	44,352	6,860	61,304	60,965	10,367
Ohio	35,188	28,410	4,781	40,308	36,776	7,244
Other (Illinois, Indiana, Michigan, and Wisconsin)	15,120	15,942	2,079	20,996	24,189	3,123
West North Central	26,458	24,931	4,184	31,378	33,322	6,024
Kansas and Missouri	10,052	8,873	1,264	10,925	12,366	1,770
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	16,406	16,058	2,920	20,453	20,956	4,254
South Atlantic	230,490	198,236	21,639	267,369	267,329	29,383
Florida and Georgia	54,688	39,394	4,392	60,507	54,267	6,040
North Carolina	90,465	79,040	8,767	103,892	102,210	11,569
South Carolina	40,041	38,034	4,200	45,632	48,422	5,353
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	45,296	41,768	4,280	57,338	62,430	6,421
East South Central	107,618	93,330	9,944	125,572	127,243	14,104
Alabama	43,517	40,547	4,334	49,111	52,747	6,003
Kentucky and Tennessee	34,636	30,004	3,276	42,093	41,365	4,671
Mississippi	29,465	22,779	2,334	34,368	33,131	3,430
West South Central	97,259	73,605	10,794	115,162	98,655	14,472
Arkansas and Louisiana	20,854	16,494	2,464	24,570	22,867	3,370
Oklahoma	17,604	13,097	1,824	19,906	15,046	1,952
Texas	58,801	44,014	6,506	70,686	60,742	9,150
Mountain	18,627	15,764	2,845	22,057	20,190	3,699
Colorado, New Mexico, and Wyoming	8,451	6,995	1,215	9,956	9,237	1,526
Other (Arizona, Idaho, Montana, Nevada, and Utah)	10,176	8,769	1,630	12,101	10,953	2,073
Pacific[3]	16,250	15,048	3,751	20,496	20,011	4,971
California	10,946	10,166	2,751	12,799	13,120	3,562
Oregon and Washington	5,304	4,882	1,000	7,697	6,891	1,409

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1]Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2]Represents a combined total for New Jersey, New York, and Pennsylvania.
[3]No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	November 1986			October 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	123	[b]598,777	[b]514,140	[b]68,045	[b]702,552	[b]693,487	[b]94,042
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	[c]1,845	[c]2,899	[c]626	[c]2,989	[c]3,645	[c]766
32510 61	Structural clay tile, except facing....Short tons.	8	[b]5,853	[b]6,048	[c]2,964	[b]6,877	[b]8,151	[c]3,769
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	38,459	36,730	37,761	43,317	40,114	48,838
32530 09	Glazed floor and wall tile.....do..	27	[b]30,146	[b]27,596	[b]24,430	[b]32,191	[b]28,918	[b]34,430
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2]....do..	7	[b]3,402	[b]3,849	[b]5,896	[b]4,213	[b]4,420	[b]6,333
32530 53	Quarry tile....do..	15	4,911	5,285	7,435	6,913	6,976	8,075
32591 00	Vitrified clay sewer pipe and fittings....do..	9	[c]27,675	[c]24,010	[c]5,377	[c]34,954	[b]29,730	[b]6,622

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1]Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2]Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	November 1986			October 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	598,777	514,140	68,045	702,552	693,487	94,042
	Region 1	9,883	8,916	1,576	12,145	12,092	2,134
	Region 2 and 4	59,104	52,505	8,393	68,864	69,360	12,172
	Region 3 and 7	69,332	65,192	8,147	85,025	94,366	11,834
	Region 5 and 21	36,708	30,351	4,140	42,653	40,761	5,392
	Region 6	16,406	16,058	2,920	20,453	20,956	4,254
	Region 8	90,465	79,040	8,767	103,892	102,210	11,569
	Region 9	40,041	38,034	4,200	45,632	48,422	5,353
	Region 10 and 11	132,841	109,945	12,002	151,711	148,379	16,714
	Region 12 and 14	50,319	39,273	4,798	58,938	55,998	6,800
	Region 13	58,801	44,014	6,506	70,686	60,742	9,150
	Region 15	8,451	6,995	1,215	9,956	9,237	1,626
	Region 16, 17, and 18	10,176	8,769	1,630	12,101	10,953	2,073
	Region 19	10,946	10,166	2,751	12,799	13,120	3,562
	Region 20	5,304	4,882	1,000	7,697	6,891	1,409

[1] No production or shipments were reported for Alaska or Hawaii.
[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Charlton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[3]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	NOVEMBER 1986														
	Total		559,817	109,396	(X)	1,916	1,642	(X)	1.8	(X)	43,303	(X)	150,783	(X)	28.7
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	514,140	68,045	5,303	622	533	1.0	0.9	2,671	305	511,508	67,728	0.5	0.5
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	2,899	926	(X)	176	151	(X)	4.9	(X)	709	(X)	4,123	(X)	17.2
32512 11	Structural clay tile	Short tons	6,048	2,964											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	36,730	37,761	661	1,118	958	1.8	3.0	44,966	42,289	81,035	78,932	36.4	53.6
	OCTOBER 1986														
	Total		745,937	147,413	(X)	1,483	1,270	(X)	1.0	(X)	33,634	(X)	179,566	(X)	18.7
32511 11	Brick (building or common and face)	Thousand standard brick equivalents	693,487	94,042	5,925	702	601	0.9	0.7	2,731	324	690,293	93,664	0.4	0.3
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents	3,645	766	(X)	158	135	(X)	3.5	(X)	393	(X)	4,770	(X)	8.2
32512 11	Structural clay tile	Short tons	8,151	3,769											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	40,114	48,838	467	623	534	1.1	1.3	37,959	32,917	77,606	81,132	48.9	40.6

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-12

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Clay Construction Products

DECEMBER 1986

M32D(86)-12
Issued February 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of manufacturers and represent total U.S. shipments of clay construction products. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report for this series, M32D(86)-1, issued April 1986.

Table 1. SUMMARY OF PRODUCTION AND SHIPMENTS OF PRINCIPAL TYPES OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Month and year	Brick (building or common and face)			Clay floor and wall tile, including quarry tile			Vitrified clay sewer pipe and fittings		
		Shipments			Shipments			Shipments	
	Production (1,000 bricks)	Quantity (1,000 bricks)	Value ($1,000)	Production (1,000 sq. ft.)	Quantity (1,000 sq. ft.)	Value ($1,000)	Production (short tons)	Quantity (short tons)	Value ($1,000)
1986									
Total	7,373,921	7,173,131	972,845	471,201	436,545	540,882	352,008	297,871	66,144
December	620,482	445,127	63,848	43,826	40,369	49,651	30,308	17,196	3,749
November	600,364	514,296	68,148	41,260	35,164	45,192	28,508	23,614	5,232
October	702,552	693,487	94,042	43,317	40,114	48,838	34,954	29,730	6,622
September	654,869	666,556	90,070	43,907	39,464	49,272	32,386	30,358	6,540
August	648,256	668,208	90,098	41,740	38,030	47,334	31,332	28,298	6,250
July	663,975	699,970	96,278	38,667	39,075	49,352	36,053	32,830	7,318
June	636,822	686,108	92,996	39,090	37,746	46,525	30,416	27,963	6,428
May	621,550	678,414	92,318	40,249	37,191	45,803	31,900	30,830	6,976
April	626,202	681,697	93,476	38,188	36,187	44,440	31,491	27,021	6,070
March	566,559	543,664	73,950	34,674	31,813	38,790	18,154	17,299	3,740
February	495,609	408,043	54,595	33,043	30,762	37,870	22,746	12,874	2,811
January	536,681	487,561	63,026	33,240	30,630	37,815	23,760	19,858	4,408
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,584
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,548	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,434	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	464,212	331,420	44,761	27,561	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

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Table 2. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY DIVISION AND STATE

(Quantities in thousands of brick: 2-1/4 inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Division and State	December 1986			November 1986		
	Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
United States	620,482	445,127	63,848	600,364	514,296	68,148
New England[1]	10,852	9,617	1,713	9,883	8,916	1,376
Middle Atlantic[2]	47,329	35,765	6,332	41,884	39,958	6,452
East North Central	55,983	37,523	6,254	50,308	44,352	6,860
Ohio	38,376	23,279	4,378	35,188	28,410	4,781
Other (Illinois, Indiana, Michigan, and Wisconsin)	17,607	14,244	1,876	15,120	15,942	2,079
West North Central	27,211	21,218	3,727	26,458	24,931	4,184
Kansas and Missouri	11,177	7,839	1,152	10,052	8,873	1,264
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	16,034	13,379	2,575	16,406	16,058	2,920
South Atlantic	230,204	164,956	19,596	231,210	197,686	21,623
Florida and Georgia	53,519	35,310	3,933	54,688	39,394	4,392
North Carolina	88,821	63,054	7,915	90,465	79,040	8,767
South Carolina	36,167	29,425	3,445	40,041	38,034	4,200
Other (Delaware, District of Columbia, Maryland, Virginia, and West Virginia)	51,697	37,167	4,303	46,016	41,218	4,264
East South Central	112,627	83,262	9,498	107,953	93,591	9,963
Alabama	45,370	35,994	4,095	43,517	40,547	4,334
Kentucky and Tennessee	37,580	30,310	3,381	34,636	30,004	3,276
Mississippi	29,677	16,958	2,022	29,800	23,040	2,353
West South Central	98,423	66,904	10,587	97,259	73,605	10,794
Arkansas and Louisiana	23,036	16,168	2,473	20,854	16,494	2,464
Oklahoma	17,304	11,096	1,646	17,604	13,097	1,824
Texas	58,083	39,640	6,468	58,801	44,014	6,506
Mountain	19,450	12,568	2,583	18,928	15,671	2,813
Colorado, New Mexico, and Wyoming	8,915	5,854	1,169	8,451	6,995	1,215
Other (Arizona, Idaho, Montana, Nevada, and Utah)	10,535	6,714	1,414	10,477	8,676	1,598
Pacific[3]	18,403	13,314	3,558	16,481	15,586	3,883
California	11,820	9,122	2,660	11,177	10,704	2,883
Oregon and Washington	6,583	4,192	898	5,304	4,882	1,000

Note: Separate figures for each State are shown where possible to do so without disclosing figures for individual companies.

[1]Represents a combined total for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
[2]Represents a combined total for New Jersey, New York, and Pennsylvania.
[3]No production or shipments were reported for Alaska or Hawaii.

Table 3. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS

(Value in thousands of dollars)

Product code	Product description	Number of companies[1]	December 1986			November 1986		
			Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32510 11	Brick (building or common and face)....M brick..	124	[b]620,482	[b]445,127	[b]63,848	[b]600,364	[b]514,296	[b]68,148
32510 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed....do..	5	[c]1,470	[c]2,381	[c]530	[c]1,845	[c]2,899	[c]626
32510 61	Structural clay tile, except facing....Short tons.	8	[c]9,546	[c]5,685	[c]2,561	[b]5,853	[b]6,048	[c]2,964
32530 00	Clay floor and wall tile, including quarry tile....M sq. ft.	(X)	43,826	40,369	49,651	41,260	35,164	45,192
32530 09	Glazed floor and wall tile.....do..	27	[c]34,546	[c]31,238	[c]36,605	[b]32,501	[b]25,719	[b]31,279
32530 10	Unglazed floor and wall tile...do..							
32530 13	Glazed and unglazed ceramic mosaic tile[2].....do..	8	[b]3,749	[b]3,825	[b]5,762	[b]3,873	[b]4,161	[b]6,457
32530 53	Quarry tile.....do..	14	5,531	5,306	7,284	4,886	5,284	7,456
32530 71								
32591 00	Vitrified clay sewer pipe and fittings.....do..	9	[c]30,308	[c]17,196	[c]3,749	[b]28,308	[b]23,614	[b]5,232

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M32D(86)-1, issued April 1986, for a discussion of estimation of missing reports): [a]10 to 25 percent of this item is estimated. [b]25 to 50 percent of this item is estimated. [c]Over 50 percent of this item is estimated.

(X) Not applicable.

[1]Number of companies has been reported as establishments in the past. The data now represents the number of companies. Some of these companies may have two or more plants.
[2]Tiles having a facial area of less than 6 square inches.

Table 4A. PRODUCTION AND SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE), BY REGIONAL MARKETING AREA

(Quantities in thousands of brick: 2-¼ inch x 3-5/8 inch brick equivalent; value in thousands of dollars)

Product code	Regional marketing area[1] [2]	December 1986			November 1986		
		Quantity produced	Quantity shipped	Value of product shipment	Quantity produced	Quantity shipped	Value of product shipment
32511 11	Brick (building or common and face), United States	620,482	445,127	63,848	600,364	514,296	68,148
	Region 1	10,852	9,617	1,713	9,883	8,916	1,576
	Region 2 and 4	67,480	45,331	7,817	59,104	52,505	8,393
	Region 3 and 7	76,745	56,605	7,960	70,052	64,642	8,131
	Region 5 and 21	39,265	27,454	3,910	36,708	30,351	4,140
	Region 6	16,034	13,379	2,575	16,406	16,058	2,920
	Region 8	88,821	63,054	7,915	90,465	79,040	8,767
	Region 9	36,167	29,425	3,445	40,041	38,034	4,200
	Region 10 and 11	136,469	101,614	11,409	132,841	109,945	12,002
	Region 12 and 14	52,713	33,126	4,495	50,654	39,534	4,817
	Region 13	58,083	39,640	6,468	58,801	44,014	6,506
	Region 15	8,915	5,854	1,169	8,451	6,995	1,215
	Region 16, 17, and 18	10,535	6,714	1,414	10,477	8,676	1,598
	Region 19	11,820	9,122	2,660	11,177	10,704	2,883
	Region 20	6,583	4,192	898	5,304	4,882	1,000

[1] No production or shipments were reported for Alaska or Hawaii.

[2] These figures are based on updated regional marketing areas as defined by the Brick Institute of America (BIA). The regions have been numbered according to a U.S. Bureau of the Census numbering scheme. A comparison of M32D and BIA region numbers, as well as the definition of each region, is shown in table 4B. The regions are shown in the map on page 5 of this report.

Table 4B. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga. Counties of New Jersey east of and including Middlesex, Monmouth, Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren. All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter. All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

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Table 5. SHIPMENTS, EXPORTS, AND IMPORTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY TYPE

(Value in thousands of dollars)

Product code	Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1,2]			Percent exports to manufacturers' shipments[1]		Imports for consumption[5]		Apparent consumption[7]		Percent imports to apparent consumption	
			Quantity	Value (f.o.b. plant)	Quantity	Value (at port)	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value[4]	Quantity	Value
	DECEMBER 1986														
	Total		493,562	116,590	(X)	1,911	1,637	(X)	1.6	(X)	33,991	(X)	148,670	(X)	22.9
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	445,127	63,848	4,792	564	483	1.1	0.9	1,596	215	441,931	63,499	0.4	0.3
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	2,381	530	(X)	41	35	(X)	7.7	(X)	522	(X)	3,572	(X)	14.6
32512 11	Structural clay tile	Short tons	5,685	2,561											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	40,369	49,651	1,392	1,306	1,119	3.4	2.6	37,572	33,254	76,549	81,599	49.1	40.8
	NOVEMBER 1986														
	Total		558,407	116,930	(X)	1,916	1,642	(X)	1.6	(X)	43,303	(X)	150,886	(X)	28.7
32511 11	Brick (building or common and face).	Thousand standard brick equivalents.	514,296	68,148	5,303	622	533	1.0	0.9	2,671	305	511,664	67,831	0.5	0.4
32512 31	Facing tile (structural) and ceramic glazed brick, including unglazed and salt glazed	Thousand standard brick equivalents.	2,899	626	(X)	176	151	(X)	4.9	(X)	709	(X)	4,123	(X)	17.2
32512 11	Structural clay tile	Short tons	6,048	2,964											
32530 00	Clay floor and wall tile, including quarry tile	Thousand sq. ft.	35,164	45,192	661	1,118	958	1.8	3.0	44,966	42,289	81,035	78,932	36.4	53.6

(X) Not applicable.

[1] For comparison of SIC-based product codes with Schedule B export numbers and TSUSA import numbers, see table 6 in the January 1986 report, M32D(86)-1, issued April 1986.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the point of exports. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, MB3(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[6] Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

M 32 D(86)-13

CURRENT INDUSTRIAL REPORTS

Clay Construction Products

SUMMARY FOR 1986

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M32D(86)-13
Issued June 1987

SUMMARY OF FINDINGS

Shipments of the principal clay product, brick (building or common), for 1986 amounted to $1,018.6 million, a 9-percent increase from the 1985 value of $936.1 million. The total for clay floor and wall tile increased from the 1985 figure of $473.4 million to $561.9 million. The 1986 shipments value of vitrified clay sewer pipe and fittings was $72.5 million, a decrease of 21 percent over the 1985 amount of $91.9 million.

A description of the survey methodology and related information appear on page 13.

Table 1. PRODUCTION AND SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS: 1983 TO 1986

Product code	Product description	Production (quantity)	Shipments	
			Quantity	Value (million dollars)
32510 11	Brick (building or common and face) (million standard brick):			
	1986	r7,307.7	r7,401.9	r1,018.6
	1985	7,142.1	6,833.7	936.1
	1984	7,111.8	6,990.6	911.6
	1983	6,004.8	6,218.4	777.2
32591 00	Vitrified clay sewer pipe and fittings (short tons):			
	1986	r365.3	r323.6	r72.5
	1985	486.9	436.7	91.9
	1984	535.5	442.6	93.2
	1983	435.9	419.9	82.8
32510 61	Structural clay tile (except facing) (thousand short tons):			
	1986	r106.3	r108.4	r32.5
	1985	73.5	72.8	15.2
	1984	54.6	52.7	8.6
	1983	62.6	50.8	11.0
32510 31 32510 51	Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick, (million brick equivalent):			
	1986	(D)	(D)	(D)
	1985	(D)	(D)	(D)
	1984	(D)	(D)	(D)
	1983	(D)	(D)	(D)
	Clay floor and wall tile, including quarry tile (million sq. ft):			
	1986	r527.5	r505.0	r561.9
	1985	393.0	393.5	473.4
	1984	415.4	408.7	498.7
	1983	334.8	348.3	405.4
32530 11	Glazed and unglazed floor and wall tile (million sq. ft.):			
	1986	r369.1	r337.8	r394.9
	1985	289.6	294.9	332.5
	1984	314.7	310.6	357.6
	1983	256.3	263.2	296.8
32530 13 32530 53	Glazed and unglazed ceramic mosaic tile (million sq. ft.):[1]			
	1986	r45.1	r47.6	r74.0
	1985	45.0	41.7	62.9
	1984	45.5	43.7	65.3
	1983	34.3	35.6	50.3
32530 71	Quarry tile (million sq. ft.):			
	1986	r113.3	r119.5	r93.0
	1985	58.4	56.9	77.9
	1984	55.2	54.4	75.8
	1983	46.1	49.5	58.3

Note: Detail data may not add to totals due to independent rounding.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised.

[1] Tiles having a facial area of less than 6 square inches.

C 3. 158:

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Jack Matthews, (301) 763-1462.

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Table 2. COMPARISON OF VALUES OF SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS, AS REPORTED IN THE M32D, THE 1985 ANNUAL SURVEY OF MANUFACTURES, AND THE 1982 CENSUS OF MANUFACTURES

(Value in millions of dollars)

Product codes	Product description	1985			1982	
			Annual Survey of Manufactures			
		M32D	Value	Standard error of estimates[1]	M32D	Census of Manufactures
32510 11	Brick (building or common and face)	936.1	1,217.5	10	560.0	588.7
32510 61	Structural clay tile, except facing	15.2			5.4	5.4
32510 31	Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick	(D)			(D)	(D)
32530 00	Clay floor and wall tile, including quarry tile	473.4	541.7	11	388.8	359.5
32530 09	Glazed and unglazed floor and wall tile	333.5	541.7	11	239.7	(NA)
32530 10						
32530 13	Glazed ceramic mosaic tile and unglazed ceramic mosaic tile	62.9			71.4	
32530 53						
32530 71	Quarry tile	77.9			55.7	
32591 00	Vitrified clay sewer pipe and fittings	91.9	76.7	9	66.2	66.5

(D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

[1] The annual survey of manufactures percentage standard errors shown are the approximate relative standard errors of the estimates of level. A more detailed description of the standard error of estimate is given in the introduction of the annual survey of manufactures, Value of Product Shipments, MA5(AS)-2, under "Qualifications of the Data".

Table 3. PRODUCTION AND SHIPMENTS OF SELECTED CLAY CONSTRUCTION PRODUCTS, BY MONTH: 1986 AND 1985

(Value in thousands of dollars)

Year and month	Brick (building or common and face) (32510 11) (quantities in 1,000 standard brick)			Clay floor and wall tile including quarry tile (codes 32530 09, 32530 10, 32530 13, 32530 53, and 32530 71) (quantities in 1,000 square feet)			Vitrified clay sewer pipe (32591 00) (quantities in short tons)		
	Production (quantity)	Shipments		Production (quantity)	Shipments		Production (quantity)	Shipments	
		Quantity	Value		Quantity	Value		Quantity	Value
1986									
Total	r7,307,725	r7,401,862	r1,018,557	r527,472	r504,998	r561,881	r365,320	r323,642	r72,452
December	636,069	467,330	68,293	48,360	46,599	50,258	30,490	18,503	4,056
November	616,184	537,319	72,077	45,047	40,836	45,834	28,672	25,326	5,640
October	716,612	717,479	98,701	51,984	49,726	52,681	37,904	33,787	7,629
September	666,253	687,377	93,608	47,812	44,913	49,826	32,554	32,350	7,001
August	659,820	691,786	95,471	45,827	42,601	47,812	33,713	31,773	7,105
July	674,332	721,357	100,932	42,498	44,029	49,797	36,221	34,758	7,781
June	648,587	708,238	97,692	44,360	44,230	49,075	32,472	31,014	7,210
May	633,300	699,694	96,749	45,681	43,462	48,627	32,031	32,427	7,366
April	637,389	700,893	96,970	42,852	41,038	46,754	33,352	29,601	6,716
March	575,932	557,854	76,502	38,896	36,741	41,098	19,150	18,830	4,107
February	502,035	417,454	58,605	37,032	35,208	39,879	23,899	13,927	3,066
January	543,212	496,691	64,957	37,143	35,025	40,240	24,862	21,346	4,773
1985									
Total	7,142,119	6,833,672	936,099	392,999	393,494	473,383	486,861	436,690	91,859
December	567,033	430,436	58,979	35,058	35,365	40,941	28,628	21,321	4,586
November	592,713	519,557	70,920	36,589	34,597	41,763	32,104	24,221	5,112
October	673,161	671,891	92,542	40,332	38,904	46,601	43,463	36,930	7,727
September	626,804	657,516	88,968	35,503	33,507	39,822	42,542	41,999	9,001
August	672,788	700,476	94,515	35,761	35,863	43,880	43,825	38,104	8,097
July	652,961	674,456	92,844	28,940	34,440	41,591	54,635	55,689	11,497
June	613,237	635,509	90,336	32,479	33,348	40,381	47,787	41,142	8,459
May	641,033	673,780	91,932	31,809	33,389	40,630	53,267	43,691	9,136
April	584,073	628,745	86,836	30,163	30,467	36,621	48,169	42,169	8,782
March	537,990	556,436	76,203	30,579	31,018	36,828	39,009	36,097	7,498
February	484,212	331,420	44,761	27,361	26,463	31,865	24,652	26,316	5,793
January	516,114	353,452	47,263	28,225	25,933	32,460	28,780	29,011	6,173

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Table 4A. PRODUCTION OF BRICK (BUILDING OR COMMON AND FACE) BY DIVISIONS AND STATES: 1966

(Thousands of brick: 2-¼ inches x 3-5/8 inches x 7-5/8 inches equivalents)

Division and State	Total	January	February	March	April	May	June	July	August	September	October	November	December
United States	7,507,725	543,212	502,035	575,932	637,389	633,300	646,587	674,332	659,820	666,253	716,612	616,184	636,069
New England[1]	124,772	10,165	7,928	6,458	10,935	11,087	10,978	11,410	10,996	11,430	12,329	10,047	11,029
Middle Atlantic[2]	525,553	38,900	35,450	42,427	45,175	45,667	46,801	44,759	44,623	46,540	46,701	41,563	46,987
East North Central	604,229	45,209	38,938	43,290	54,045	47,453	50,606	52,594	52,653	53,710	60,654	49,725	55,352
Ohio	412,068	31,566	27,788	31,518	35,353	32,909	34,383	34,960	35,696	35,756	39,704	34,646	37,789
Illinois, Other (Indiana, Michigan, and Wisconsin)	204,246	14,793	12,335	12,952	19,896	15,449	16,433	18,759	18,228	19,204	20,950	16,354	18,895
West North Central	335,597	25,171	23,099	22,627	27,227	28,816	31,129	35,218	30,249	27,944	31,054	26,167	26,896
Kansas and Missouri	123,519	9,643	9,115	9,006	10,083	10,206	10,631	12,857	9,569	10,255	10,925	10,052	11,177
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	212,078	15,528	13,984	13,621	17,144	18,610	20,498	22,361	20,680	17,689	20,129	16,115	15,719
South Atlantic	2,905,078	203,119	187,870	227,182	245,167	244,951	249,862	257,993	258,662	263,383	280,883	243,332	242,694
Maryland and Virginia	643,273	44,557	38,838	47,498	55,141	54,431	55,888	56,741	56,451	60,058	63,896	51,898	57,876
North Carolina	1,119,244	75,353	72,498	89,268	93,067	100,006	96,557	98,972	100,281	103,333	106,395	92,710	90,804
South Carolina	521,153	35,504	35,348	41,118	44,961	42,961	45,179	46,943	48,230	46,293	50,085	44,036	40,495
Other (Delaware, District of Columbia, Florida, Georgia, and West Virginia)	621,408	47,705	41,186	49,298	51,998	47,553	52,218	55,337	53,700	53,699	60,507	54,688	53,519
East South Central	1,301,689	82,255	87,697	104,970	111,119	116,379	113,158	115,776	112,204	112,319	125,454	107,846	112,512
Alabama	528,696	37,183	38,366	44,645	45,010	45,894	43,728	46,985	42,835	44,974	49,687	43,854	45,735
Kentucky and Tennessee	435,106	31,197	28,818	32,018	37,806	38,754	37,365	39,940	37,233	38,097	41,950	34,507	37,441
Mississippi	337,887	13,875	20,513	28,307	28,303	31,731	32,085	28,851	32,136	29,248	34,017	29,485	29,336
West South Central	1,237,612	100,719	89,598	96,344	104,616	101,916	103,013	113,369	107,597	108,194	113,199	98,874	100,173
Arkansas	201,137	17,336	13,984	16,044	17,192	16,314	16,104	17,161	16,876	17,378	18,787	16,051	17,910
Louisiana	61,241	4,752	4,395	4,742	5,451	5,229	5,259	5,735	5,055	5,168	5,693	4,723	5,039
Oklahoma	222,496	18,304	16,673	16,508	16,919	17,878	18,285	21,313	21,444	20,358	19,906	17,604	17,304
Texas	752,738	60,327	54,546	59,050	65,054	62,495	63,365	69,160	64,222	65,290	68,813	60,496	59,920
Mountain	255,422	22,052	16,763	16,693	22,501	18,807	21,705	24,054	22,514	23,052	24,369	21,103	21,809
Colorado	122,743	9,059	8,258	9,169	10,091	10,113	10,194	11,161	10,840	11,006	11,849	10,185	10,818
Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	132,679	12,993	8,505	7,524	12,410	8,694	11,511	12,893	11,674	12,046	12,520	10,918	10,991
Pacific[3]	217,773	15,642	14,692	15,941	16,644	18,224	19,355	19,159	20,322	19,681	21,969	17,527	18,617
California	147,060	10,692	10,030	10,861	10,832	12,976	13,576	12,961	14,208	12,701	14,181	11,745	12,297
Oregon and Washington	70,713	4,950	4,662	5,080	5,812	5,248	5,779	6,198	6,114	6,980	7,788	5,782	6,320

See footnotes at end of table 4C.

Table 4B. QUANTITY OF SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE) BY DIVISIONS AND STATES: 1986

(Thousands of brick: 2-¼ inches x 3-5/8 inches x 7-5/8 inches equivalents)

Division and State	Total	January	February	March	April	May	June	July	August	September	October	November	December
United States	7,401,862	496,691	417,454	557,854	700,893	699,694	706,238	721,357	691,786	687,377	717,479	537,519	467,520
New England[1]	129,314	8,530	7,715	8,707	11,398	12,192	11,876	12,289	11,825	12,214	12,874	9,525	10,169
Middle Atlantic[2]	542,111	29,614	24,054	38,906	49,461	49,696	54,470	54,956	53,457	55,403	54,749	40,797	36,548
East North Central	624,464	30,892	26,064	40,106	62,426	57,905	61,025	66,121	62,472	64,589	65,001	47,492	40,371
Ohio	407,038	19,530	18,228	26,566	37,177	39,982	40,395	44,988	41,833	40,192	40,674	31,443	26,030
Illinois, Other (Indiana, Michigan, and Wisconsin)	217,426	11,362	7,836	13,540	25,249	17,923	20,630	21,133	20,639	24,397	24,327	16,049	14,341
West North Central	322,481	18,669	14,665	20,598	30,277	29,971	32,444	33,530	32,029	31,845	32,912	24,612	20,929
Kansas and Missouri	120,679	7,893	5,947	8,565	11,201	10,603	11,383	12,216	12,600	11,193	12,366	8,873	7,839
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	120,359	5,801	4,115	6,019	10,320	11,586	13,020	13,016	12,180	13,619	13,443	9,146	8,094
South Atlantic	2,905,838	204,062	162,307	222,607	273,023	279,723	280,793	275,071	264,921	270,245	283,438	210,222	179,426
Maryland and Virginia	683,644	55,710	31,082	49,826	61,863	65,331	68,172	64,670	63,325	63,868	69,562	46,768	43,467
North Carolina	1,115,326	71,760	64,336	86,260	106,828	106,401	108,321	106,396	100,579	108,242	106,262	82,193	67,748
South Carolina	534,387	36,254	30,802	40,069	49,047	51,708	49,022	49,994	50,488	48,888	53,347	41,867	32,901
Other (Delaware, District of Columbia, Florida, Georgia, and West Virginia)	572,481	40,338	36,087	46,452	55,285	56,283	55,278	54,011	50,529	49,247	54,267	39,394	35,310
East South Central	1,274,377	84,875	78,242	96,081	119,989	118,483	117,713	120,324	118,329	113,910	128,184	94,322	83,925
Alabama	530,252	37,735	36,514	40,753	47,537	47,444	46,944	49,088	47,025	46,487	53,326	40,997	36,402
Kentucky and Tennessee	444,635	26,753	23,806	33,461	45,114	43,366	44,600	43,811	40,898	39,024	42,220	30,669	30,913
Mississippi	299,490	20,387	17,922	21,867	27,338	27,673	26,169	27,425	30,406	28,399	32,638	22,656	16,610
West South Central	1,152,442	88,619	77,897	96,675	114,354	109,860	105,770	115,965	105,298	97,618	96,587	75,330	68,469
Arkansas	197,011	16,355	13,158	17,573	17,977	17,460	17,792	19,544	18,189	16,492	17,253	12,462	12,756
Louisiana	61,411	4,719	4,210	5,280	6,434	5,834	5,374	5,390	5,707	5,661	5,511	3,952	3,339
Oklahoma	188,138	15,948	13,469	15,312	19,870	17,951	17,082	19,245	15,714	14,308	15,046	13,097	11,096
Texas	705,882	51,597	47,060	58,510	70,073	68,615	65,522	71,786	65,688	61,157	58,777	45,819	41,278
Mountain	248,270	18,051	15,308	19,168	21,608	22,793	22,893	23,304	23,958	23,973	23,687	18,533	14,994
Colorado	121,633	8,413	6,843	8,735	10,743	11,208	11,445	11,894	11,334	11,631	12,120	9,265	8,002
Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	126,637	9,638	8,465	10,433	10,865	11,585	11,448	11,410	12,624	12,342	11,567	9,268	6,992
Pacific[3]	202,565	13,379	11,202	15,006	18,357	19,071	19,254	19,797	19,497	17,580	20,047	16,686	12,689
California	141,285	9,293	7,878	9,836	12,985	13,746	13,932	13,345	12,739	11,991	14,273	11,406	9,861
Oregon and Washington	61,280	4,086	3,324	5,170	5,372	5,325	5,322	6,452	6,758	5,589	5,774	5,280	2,828

See footnotes at end of table 4C.

Table 4C. VALUE OF SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE) BY DIVISIONS AND STATES: 1986

(Thousand of dollars)

Division and State	Total	January	February	March	April	May	June	July	August	September	October	November	December
United States	1,018,557	64,957	56,605	76,502	96,970	96,749	97,692	100,932	95,471	93,608	98,701	72,077	68,293
New England[1]	25,118	1,570	1,437	1,663	2,182	2,391	2,322	2,436	2,308	2,378	2,536	1,882	2,013
Middle Atlantic[2]	91,371	4,820	3,911	6,565	8,273	8,464	9,422	9,476	8,978	9,232	9,108	6,621	6,501
East North Central	99,668	4,615	4,166	6,243	11,486	9,075	9,419	10,060	9,807	9,814	10,966	7,316	6,701
Ohio	71,753	3,199	3,050	4,458	8,326	6,749	6,810	7,402	7,099	6,738	7,850	5,242	4,830
Illinois, Other (Indiana, Michigan, and Wisconsin)	27,915	1,416	1,116	1,785	3,160	2,326	2,609	2,658	2,708	3,076	3,116	2,074	1,871
West North Central	56,869	3,393	2,793	3,758	5,233	5,365	5,775	6,005	5,473	5,541	5,864	4,062	3,607
Kansas and Missouri	17,696	1,193	856	1,281	1,666	1,614	1,706	1,798	1,729	1,667	1,770	1,264	1,152
Other (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota)	39,173	2,200	1,937	2,477	3,567	3,751	4,069	4,207	3,744	3,874	4,094	2,798	2,455
South Atlantic	140,610	9,259	8,545	10,844	12,981	12,926	12,837	13,245	13,036	12,772	14,344	10,145	9,676
Maryland and Virginia	59,968	4,209	4,086	4,547	5,377	5,402	5,363	5,569	5,370	5,403	6,087	4,398	4,157
North Carolina	47,755	2,750	2,484	3,551	4,728	4,586	4,685	4,721	4,415	4,359	4,730	3,321	3,425
South Carolina	5,276	360	385	350	501	444	423	443	553	601	498	366	352
Other (Delaware, District of Columbia, Florida, Georgia, and West Virginia)	334,067	21,222	18,395	25,471	31,349	33,235	32,771	33,161	30,665	30,341	31,681	23,369	22,407
East South Central	82,254	4,804	4,028	6,111	7,678	8,890	8,882	9,222	7,748	6,668	7,280	4,917	6,026
Alabama	126,609	7,985	6,847	9,751	12,031	11,906	12,252	12,097	11,424	12,472	12,199	9,245	8,400
Kentucky and Tennessee	61,490	4,043	3,559	4,535	5,586	5,909	5,588	5,781	5,838	5,626	6,162	4,815	4,048
Mississippi	63,714	4,390	3,961	5,074	6,054	6,530	6,049	6,061	5,655	5,575	6,040	4,392	3,933
West South Central	173,607	13,361	11,762	14,601	17,125	16,383	15,861	17,415	15,778	14,756	14,368	11,205	10,992
Arkansas	29,471	2,530	2,061	2,690	2,699	2,551	2,631	2,899	2,690	2,418	2,528	1,862	1,912
Louisiana	8,925	685	616	766	923	848	775	788	828	806	796	567	527
Oklahoma	25,293	2,127	1,794	2,095	2,617	2,367	2,305	2,544	2,090	1,932	1,952	1,824	1,646
Texas	109,918	8,019	7,291	9,050	10,886	10,617	10,150	11,184	10,170	9,600	9,092	6,952	6,907
Mountain	46,267	3,502	2,998	3,619	4,028	4,230	4,211	4,383	4,285	4,375	4,304	3,306	3,026
Colorado	21,537	1,494	1,220	1,555	1,894	1,980	2,012	2,130	1,979	2,038	2,108	1,586	1,541
Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	24,730	2,008	1,778	2,064	2,134	2,250	2,199	2,253	2,306	2,337	2,196	1,720	1,485
Pacific[3]	50,980	3,215	2,598	3,738	4,313	4,680	5,074	4,751	5,141	4,399	5,530	4,171	3,370
California	38,476	2,339	1,907	2,677	3,217	3,515	3,927	3,605	3,783	3,256	4,333	3,097	2,820
Oregon and Washington	12,504	876	691	1,061	1,096	1,165	1,147	1,146	1,358	1,143	1,197	1,074	550

[1] New England Division comprises: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[2] Middle Atlantic Division comprises: New York, New Jersey, and Pennsylvania.
[3] No production or shipments were reported for Alaska and Hawaii.

Table 5. PRODUCTION, QUANTITY, AND VALUE OF SHIPMENTS OF BRICK (BUILDING OR COMMON AND FACE) BY REGIONAL MARKETING AREA: 1986

(Thousands of brick: 2-¼ inches x 3-5/8 inches x 7-5/8 inches equivalents)

Regional marketing area[1] [2]	Total	January	February	March	April	May	June	July	August	September	October	November	December
PRODUCTION													
United States	7,507,725	543,212	502,035	575,932	637,389	633,300	646,587	674,332	659,820	666,253	716,612	616,184	636,069
Region 1	124,772	10,145	7,928	6,458	10,935	11,087	10,978	11,410	10,996	11,430	12,329	10,047	11,029
Regions 2 and 4	715,652	52,423	47,917	54,457	63,281	57,935	61,206	59,996	61,745	64,008	67,892	58,241	66,551
Region 3 and 7	946,576	70,247	61,362	71,384	81,072	80,661	81,464	82,162	82,172	85,611	91,583	75,934	82,924
Region 5 and 21	423,648	31,274	27,338	30,444	34,260	34,531	36,829	43,367	38,119	38,455	39,297	33,820	35,914
Region 6	212,078	15,528	13,984	13,621	17,144	18,610	20,498	22,361	20,680	17,689	20,129	16,115	15,719
Region 8	1,119,244	75,253	72,498	89,268	93,067	100,006	96,557	98,972	100,281	103,333	106,395	92,710	90,804
Region 9	521,153	35,504	35,348	41,118	44,961	42,961	45,179	46,943	48,230	46,293	50,085	44,036	40,495
Regions 10 and 11	1,585,210	116,085	108,370	125,961	134,814	132,201	133,291	142,262	133,768	136,770	151,944	133,049	136,695
Region 12 and 14	633,459	38,632	41,289	51,537	53,656	55,782	56,160	54,486	56,771	54,641	61,807	53,106	55,592
Region 13	752,738	60,327	54,546	59,050	65,054	62,495	63,365	69,160	64,222	65,290	68,813	60,496	59,920
Regions 15	129,125	9,582	8,723	9,696	10,655	10,656	10,746	11,730	11,382	11,546	12,426	10,667	11,316
Regions 16, 17, and 18	126,297	12,470	8,040	6,997	11,846	8,151	10,959	12,324	11,132	11,506	11,943	10,436	10,493
Region 19	147,060	10,692	10,030	10,861	10,832	12,976	13,576	12,961	14,208	12,701	14,181	11,745	12,297
Region 20	70,713	4,950	4,662	5,080	5,812	5,248	5,779	6,198	6,114	6,980	7,788	5,782	6,320
QUANTITY													
United States	7,401,862	496,691	417,454	557,854	700,893	699,694	706,238	721,357	691,786	687,377	717,479	537,519	467,520
Region 1	129,314	8,530	7,715	8,707	11,398	12,192	11,876	12,289	11,825	12,214	12,874	9,525	10,169
Regions 2 and 4	717,879	31,585	28,640	45,973	67,379	67,864	71,470	76,680	73,737	74,982	74,327	56,377	48,865
Region 3 and 7	998,512	75,783	47,033	74,377	91,716	94,219	98,315	94,722	93,563	94,189	101,498	70,192	62,905
Region 5 and 21	442,645	32,689	24,943	32,365	45,726	39,403	42,347	45,806	40,268	40,190	40,899	30,458	27,551
Region 6	201,802	82,536	73,054	98,293	125,904	125,769	129,382	127,710	120,008	128,894	126,808	97,932	80,838
Region 8	1,115,326	73,740	66,102	88,955	110,207	110,514	112,527	110,724	105,310	112,490	111,354	85,230	70,675
Region 9	534,387	36,254	30,802	40,069	49,047	51,708	49,022	49,994	50,488	48,888	53,347	41,867	32,901
Regions 10 and 11	1,547,368	104,826	96,407	120,666	147,936	147,093	146,822	146,910	138,452	134,758	149,813	111,060	102,625
Region 12 and 14	557,912	41,461	35,290	44,720	51,749	50,967	49,335	52,359	54,302	50,552	55,402	39,070	32,705
Region 13	705,882	51,597	47,060	58,510	70,073	68,615	65,522	71,786	65,688	61,157	58,777	45,819	41,278
Regions 15	127,952	8,844	7,214	9,230	11,358	11,816	12,057	12,513	11,923	12,219	12,736	9,718	8,324
Regions 16, 17, and 18	120,318	9,207	8,094	9,938	10,250	10,977	10,836	10,791	12,035	11,754	10,951	8,815	6,670
Region 19	141,285	9,293	7,878	9,836	12,985	13,746	13,932	13,345	12,739	11,991	14,273	11,406	9,861
Region 20	61,280	4,086	3,324	5,170	5,372	5,325	5,322	6,452	6,758	5,589	5,774	5,280	2,828
VALUE													
United States	1,018,557	64,957	56,605	76,502	96,970	96,749	97,692	100,932	95,471	93,608	98,701	72,077	68,293
Region 1	25,118	1,570	1,437	1,663	2,182	2,391	2,322	2,436	2,308	2,378	2,536	1,882	2,013
Regions 2 and 4	121,542	5,139	4,815	7,662	13,051	11,350	11,986	12,759	12,168	12,153	12,998	9,023	8,438
Region 3 and 7	135,381	8,007	6,578	10,228	12,652	13,769	14,068	14,248	12,879	11,792	12,693	8,784	9,683
Region 5 and 21	59,359	4,413	3,362	4,405	6,017	5,291	5,680	6,093	5,305	5,368	5,385	4,135	3,905
Region 6	39,173	2,200	1,937	2,477	3,567	3,751	4,069	4,207	3,744	3,874	4,094	2,798	2,455
Region 8	126,609	7,985	6,847	9,751	12,031	11,906	12,252	12,097	11,424	12,472	12,199	9,245	8,400
Region 9	61,490	4,043	3,559	4,535	5,586	5,909	5,588	5,781	5,838	5,626	6,162	4,815	4,048
Regions 10 and 11	171,437	11,349	10,531	13,172	16,159	16,518	16,097	16,351	15,440	15,337	16,857	12,111	11,515
Region 12 and 14	71,283	5,515	4,652	6,202	6,498	6,337	6,195	6,642	6,769	6,234	6,851	4,855	4,533
Region 13	109,918	8,019	7,291	9,050	10,886	10,617	10,150	11,184	10,170	9,600	9,092	6,952	6,907
Regions 15	22,759	1,571	1,287	1,646	2,008	2,094	2,128	2,250	2,094	2,154	2,231	1,675	1,621
Regions 16, 17, and 18	23,508	1,931	1,711	1,973	2,020	2,136	2,083	2,133	2,191	2,221	2,073	1,631	1,405
Region 19	38,476	2,339	1,907	2,677	3,217	3,515	3,927	3,605	3,783	3,256	4,333	3,097	2,820
Region 20	12,504	876	691	1,061	1,096	1,165	1,147	1,146	1,358	1,143	1,197	1,074	550

[1] These figures are based on regional marketing areas as defined by the Brick Institute of America (BIA) (see map).
[2] No production or shipments were reported for Alaska or Hawaii.

Table 6. COMPARISON OF M32D AND BIA REGION NUMBERS

M32D region number	BIA region number	Definition of region
1	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
2	2	Counties of New York State east of, but not including Cortland, Onondaga, and Tioga.
		Counties of New Jersey east of and including Morris, Somerset, and Sussex.
3	3	Counties of Pennsylvania east of and including Centre, Clinton, Fulton, Huntingdon, Lycoming, and Fulton. Counties of New Jersey south of and including Hunterdon, Mercer, Ocean, and Warren.
		All of the State of Delaware.
4	4	Counties of Pennsylvania west of and including Bedford, Blair, Cameron, Clearfield, and Potter.
		All of the States of Michigan, Ohio, and West Virginia. Counties of New York west of and including Cortland, Onondaga, and Tioga.
5	5	Illinois, Indiana, and Wisconsin. Counties of Missouri east of and including Adair, Cooper, Howar, Howell, Macon, Miller, Moniteau, Pulaski, Putnam, Randolph, and Texas.
6	6	Iowa, Minnesota, Nebraska, North Dakota, and South Dakota.
7	7A	District of Columbia, Maryland, and Virginia.
8	7B	North Carolina.
9	7C	South Carolina.
10	8	Kentucky
11	9	Alabama, Florida, Georgia, and Tennessee.
12	10	Louisiana and Mississippi.
13	11	Texas.
14	11A	Arkansas.
15	12	Colorado, New Mexico, and Wyoming.
16	13	Idaho and Montana.
17	14	Nevada and Utah.
18	15	Arizona.
19	16	California
20	17	Oregon and Washington.
21	18	Kansas and Oklahoma. Counties of Missouri west of and including Camden, Chariton, Douglas, Laciede, Linn, Mercer, Morgan, Ozark, Pettis, Saline, Sullivan, and Wright.

Table 7A. PRODUCTION OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Product description	Total	January	February	March	April	May	June	July	August	September	October	November	December
1986													
Brick (building or common and face)	r7,507,725	543,212	502,035	575,932	637,389	633,300	646,587	674,332	659,820	666,253	716,612	616,184	636,069
Structural clay tile, except facing (short tons)	r106,300	6,381	7,220	7,735	6,716	8,090	7,878	9,305	10,868	9,556	10,080	8,713	13,758
Vitrified clay sewer pipe and fittings (short tons)	r365,320	24,862	23,899	19,150	33,352	32,031	32,472	36,221	33,713	32,554	37,904	28,672	30,490
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	r527,472	37,143	37,032	38,896	42,852	45,681	44,360	42,498	45,827	47,812	51,964	45,047	48,360
Glazed and unglazed floor and wall tile (M sq. ft.)	r369,135	26,566	26,048	28,133	30,736	32,260	31,644	28,397	31,633	33,572	34,310	31,929	33,907
Glazed and unglazed ceramic mosiac tile[1] (M sq. ft.)	r45,057	3,437	3,423	3,062	3,643	3,747	3,513	3,930	3,543	4,199	4,886	3,898	3,776
Quarry tile	r113,280	7,140	7,561	7,701	8,473	9,674	9,203	10,171	10,651	10,041	12,768	9,220	10,677
1985													
Brick (building or common and face)	7,142,119	516,114	464,212	537,990	584,073	641,033	613,237	652,961	672,788	626,804	673,161	592,713	567,033
Structural clay tile, except facing (short tons)	73,472	2,501	6,584	4,448	5,792	7,046	6,032	6,869	6,199	8,248	7,390	6,035	6,328
Vitrified clay sewer pipe and fittings (short tons)	486,861	28,780	24,652	39,009	48,169	53,267	47,787	54,635	43,825	42,542	43,463	32,106	28,628
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	392,999	28,225	27,561	30,579	30,163	31,809	32,479	28,940	35,761	35,503	40,332	36,589	35,058
Glazed and unglazed floor and wall tile (M sq. ft.)	289,626	20,064	20,030	22,334	21,975	22,357	23,659	20,478	26,737	26,908	30,216	28,413	26,455
Glazed and unglazed ceramic mosiac tile[1] (M sq. ft.)	44,981	3,395	2,987	3,454	3,515	4,253	4,023	3,841	4,081	3,888	4,776	3,463	3,305
Quarry tile	58,392	4,766	4,544	4,791	4,673	5,199	4,797	4,621	4,943	4,707	5,340	4,713	5,298

See footnotes at end of table 7C.

Table 7B. QUANTITY OF SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Product description	Total	January	February	March	April	May	June	July	August	September	October	November	December
1986													
Brick (building or common and face)	r7,401,862	496,691	417,454	557,854	700,893	699,694	706,238	721,357	691,786	687,377	717,479	537,519	467,520
Structural clay tile, except facing (short tons)	r108,373	5,159	3,942	6,764	7,741	7,609	9,646	10,315	11,131	14,284	12,849	9,708	9,225
Vitrified clay sewer pipe and fittings (short tons)	r323,642	21,346	13,927	18,830	29,601	32,427	31,014	34,758	31,773	32,350	33,787	25,326	18,503
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	r504,998	35,025	35,208	36,744	41,628	43,462	44,230	44,029	42,601	44,913	49,726	40,836	46,599
Glazed and unglazed floor and wall tile (M sq. ft.)	r337,844	24,438	24,141	24,981	28,750	29,135	30,253	28,753	29,316	29,540	31,177	25,788	31,572
Glazed and unglazed ceramic mosaic tile[1] (M sq. ft.)	r47,611	3,673	3,417	3,733	4,021	4,070	3,797	4,597	3,530	4,173	4,555	4,191	3,854
Quarry tile	r119,543	6,914	7,650	8,027	8,857	10,257	10,180	10,679	9,755	11,200	13,994	10,857	11,173
1985													
Brick (building or common and face)	6,833,672	353,452	331,420	556,434	628,745	673,780	635,509	674,456	700,476	657,516	671,891	519,557	430,436
Structural clay tile, except facing (short tons)	72,759	4,655	5,207	6,015	6,146	6,259	5,872	5,577	7,776	8,307	7,893	5,572	3,480
Vitrified clay sewer pipe and fittings (short tons)	436,690	29,011	26,316	36,097	42,169	43,691	41,142	55,689	38,104	41,999	36,930	24,221	21,321
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	393,494	25,933	26,463	31,018	30,467	33,389	33,548	34,440	35,863	33,507	38,904	34,597	35,365
Glazed and unglazed floor and wall tile (M sq. ft.)	294,870	18,664	19,630	22,327	22,266	24,476	24,912	26,021	26,573	25,624	29,928	26,634	27,815
Glazed and unglazed ceramic mosaic tile[1] (M sq. ft.)	41,692	3,162	2,682	3,346	3,290	3,805	3,891	3,648	3,956	3,380	4,085	3,393	3,056
Quarry tile	56,932	4,107	4,151	5,345	4,911	5,108	4,745	4,771	5,336	4,503	4,891	4,570	4,494

See footnotes at end of table 7C.

Table 7C. VALUE OF SHIPMENTS OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

Product description	Total	January	February	March	April	May	June	July	August	September	October	November	December
1986													
Brick (building or common and face)	r1,018,557	64,957	56,605	76,502	96,970	96,749	97,692	100,932	95,471	93,608	98,701	72,077	68,293
Structural clay tile, except facing (short tons)	r32,529	955	698	1,208	1,403	1,337	3,150	3,509	4,267	4,809	4,509	3,574	3,110
Vitrified clay sewer pipe and fittings (short tons)	r72,452	4,775	3,066	4,107	6,716	7,366	7,210	7,781	7,105	7,001	7,629	5,640	4,056
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	r561,881	40,240	39,879	41,098	46,754	48,627	49,075	49,797	47,812	49,826	52,681	45,834	50,258
Glazed and unglazed floor and wall tile (M sq. ft.)	r394,879	28,392	27,462	28,354	33,349	34,259	35,253	34,432	34,090	34,905	36,888	31,110	36,385
Glazed and unglazed ceramic mosaic tile[1] (M sq. ft.)	r73,974	5,425	5,307	5,890	6,066	6,420	6,083	7,229	5,629	6,511	6,994	6,561	5,859
Quarry tile	r93,028	6,423	7,110	6,854	7,339	7,948	7,739	8,136	8,093	8,410	8,799	8,163	8,014
1985													
Brick (building or common and face)	936,099	47,263	44,761	76,203	86,836	91,932	90,336	92,844	94,515	88,968	92,542	70,920	58,979
Structural clay tile, except facing (short tons)	15,179	880	915	999	1,290	1,402	1,596	1,586	1,940	1,737	1,369	766	699
Vitrified clay sewer pipe and fittings (short tons)	91,859	6,173	5,793	7,498	8,782	9,136	8,459	11,497	8,097	9,001	7,727	5,112	4,584
Facing tile (structural), unglazed and salt glazed, ceramic glazed, including glazed brick (M brick)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Clay floor and wall tile, including quarry tile (M sq. ft.)	473,383	32,460	31,865	36,828	36,621	40,630	40,381	41,591	43,880	39,822	46,601	41,763	40,941
Glazed and unglazed floor and wall tile (M sq. ft.)	332,530	22,023	22,119	25,810	24,901	27,651	27,896	29,471	30,415	28,478	33,643	30,151	29,972
Glazed and unglazed ceramic mosaic tile[1] (M sq. ft.)	62,942	4,762	4,040	5,065	4,978	5,674	5,734	5,398	6,084	5,081	6,041	5,243	4,842
Quarry tile	77,911	5,675	5,706	5,953	6,742	7,305	6,751	6,722	7,381	6,263	6,917	6,369	6,127

(D) Data withheld to avoid disclosing figures for individual companies. rRevised.

[1]Tiles having a facial area of less than 6 square inches.

Table 8. U.S. SHIPMENTS, EXPORTS, AND IMPORTS OF CLAY CONSTRUCTION PRODUCTS: 1986 AND 1985

(Value in thousands of dollars)

Product description	Unit of measure	Manufacturers' shipments[1]		Exports of domestic merchandise[1] [2]			Percent exports to manufacturers' shipments		Imports for consumption[1] [5]		Apparent consumption[7]		Percent imports to apparent consumption	
		Quantity	Value (f.o.b. plant)	Quantity	Value at port	Estimated producers' value[3]	Quantity	Value[4]	Quantity	Value[6]	Quantity	Value	Quantity	Value
1986														
Brick (building or common and face)	Thousand standard brick equivalents	7,401,862	1,018,557	43,535	5,307	4,547	0.5	0.5	53,691	6,209	7,412,018	1,019,459	0.7	0.6
Structural clay tile, except facing	Short tons	108,373	32,529											
Facing tile (structural) and ceramic glazed brick	Thousand standard brick equivalents	(D)	(D)	(X)	1,560	1,336	(X)	(D)	(X)	3,903	(X)	(D)	(X)	(D)
Clay floor and wall tile, including quarry tile	Thousand square feet	504,998	561,881	5,939	7,471	6,400	1.3	1.3	505,758	436,872	1,004,817	991,282	50.3	44.1
1985														
Brick (building or common and face)	Thousand standard brick equivalents	6,833,672	936,099	30,955	4,148	3,554	0.5	0.4	73,764	8,123	6,876,481	940,668	1.1	0.9
Structural clay tile, except facing	Short tons	72,759	15,179											
Facing tile (structural) and ceramic glazed brick	Thousand standard brick equivalents	(D)	(D)	(X)	2,012	1,724	(X)	(D)	(X)	2,033	(X)	(D)	(X)	(D)
Clay floor and wall tile, including quarry tile	Thousand square feet	393,494	473,383	6,125	7,549	6,468	1.6	1.4	532,682	385,052	920,051	851,967	57.9	45.2

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] For comparison of Standard Industrial Classification (SIC)-based codes with Schedule B export numbers and TSUSA import numbers, see table 9.

[2] Source: Bureau of the Census report EM 546, U.S. Exports.

[3] These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of the exported goods. Current adjustment factors are based on data for 1983 which are published in Origin of Exports of Manufactured Products, M83(AS)-5, appendix B. The adjustment factor for this report is 0.8567.

[4] Value calculations are based on the estimated producers' value of exports.

[5] Source: Bureau of the Census report IM 146, U.S. Imports for Consumption.

[6] The dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States.

[7] Apparent consumption is derived by subtracting exports from the total of shipments plus imports including duty.

Table 9. COMPARISON OF STANDARD INDUSTRIAL CLASSIFICATION-BASED CODES, SCHEDULE B EXPORT NUMBERS, AND TSUSA IMPORT NUMBERS: 1986

Product codes	Product description	Export number	Product description	Import number	Product description
32511 11	Brick (building or common and face)		Ceramic bricks, not coated in whole or in part with engobe, glaze, or enamel:		Ceramic bricks:
		532.1120	Solid bricks	532.1120	Not coated in whole or in part with engobe, glaze, or enamel
		532.1140	Hollow bricks	532.1140	Solid bricks
					Hollow bricks
					Ceramic brick:
32512 31	Facing tile (structural): unglazed	532.6120	Ceramic bricks coated in whole or in part with engobe, glaze, or enamel; structural clay tile	532.1400	Coated in whole or in part with engobe, glaze, or enamel
32512 51	and salt glazed, ceramic glazed, including glazed brick				Other construction articles
32512 11	Structural clay tile, except facing			532.6110	Structural clay tiles
					Ceramic tiles:
					Floor and wall tiles:
					Mosaic tiles
					Tiles in bulk (not mounted) and tiles in sheets having per sq. ft. not over 300 tiles, most of which have faces bounded entirely by straight lines:
32530 00	Clay floor and wall tile, including quarry tile	532.2900	Ceramic floor and wall tile	532.2020	Glazed
				532.2040	Other
				532.2200	Other
					Other
				532.2400	Glazed
				532.2700	Other
32591 00	Vitrified clay sewer pipe and fittings	(NA)	(NA)	532.6130	Vitrified clay sewer pipe and fittings

(NA) Not available.

REGIONAL MARKETING AREAS FOR BRICK

DESCRIPTION OF SURVEY

Scope of Survey. This survey covers manufacturers of clay products, including brick, tile, pipe, and fittings.

Survey Methodology. The statistics in this publication were collected by mail on Bureau of the Census monthly Form M32D, Clay Construction Products. The panel for this survey consists of all known producers of clay construction products, approximately 180 companies.

Participation in the monthly survey is voluntary. However, annual reports are required from those establishments that do not report monthly. The annual summary includes revisions of monthly data originally estimated (see "Survey Error" below) for establishments which only report annually.

Survey Error. Figures for the current month may include estimates for panel members for which reports were not received in time for tabulation. Such missing figures are "imputed" based on month-to-month movements shown by reporting firms. Imputation generally is limited to a maximum of 25 percent for any one data cell. Figures with imputation rates greater than 25 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 25 percent should be used with caution.

Revisions to Previous Period Data. Data may be revised as the result of corrected figures received from respondents, annual reports received for which imputations were originally made as described above, or other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Reporting Period Adjustment. The data are adjusted for the number of working days in the reporting period to compensate for differences in individual company reporting patterns, i.e., calendar month, 4-week, 5-week periods. Since the calendar month accounting system prevails in this industry, adjustments have been made to those reporting on other than a calendar month basis.

EXPLANATION OF TERMS

Building or Common Brick. Any brick made primarily for building purposes and not especially treated for texture or color.

Facing Brick. Brick made especially for facing purposes, often treated to produce surface texture, and made of selected clays or otherwise treated to produced desired color.

Facing Tile. Tile designed for use in exterior or interior walls, partitions, or columns where the face of the tile is to be left exposed.

Ceramic Glazed Brick. Brick having a glaze of bright satin or glass finish obtained by spraying the clay body with a compound of metallic oxides, chemicals, and clays, and burning at high temperature fusing the glaze to the body to make them inseparable.

Structural Clay Tile. A hollow masonry building unit composed of burned clay, shale, fire clay, or mixtures thereof, and having parallel air cells.

Quarry Tile. Machine-made, unglazed tile.

Ceramic Mosiac Tile. Tile having a facial area of less than 6 square inches.

Vitrified. That characteristic of a clay product resulting when the temperature in the kiln is sufficient to fuse all the grains and close all the pores of the clay, making the mass impervious.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output*—Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports*—Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

  Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- *Imports*—Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Import and Export Transactions. Detailed commodity information is not included for individual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

HISTORICAL NOTE

Data on clay products have been collected by the Bureau of the Census since 1947. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 596-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

RELATED REPORTS

A monthly Current Industrial Report also is published in this series. The Bureau of the Census publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
MQ32C	Quarterly	*Refractories*
MQ34E	Quarterly	*Plumbing Fixtures*
Other Industry Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*
(AS)	Annually	Annual Survey of Manufactures (ASM)
(MC)	Quinquennially	Census of Manufactures
Foreign Trade Reports		
EM 546 FT 446	Monthly Annually	*U.S. Exports—Schedule B—Commodity by Country*
IM 146 FT 246	Monthly Annually	*U.S. Imports for* Consumption—TSUSA—Commodity by Country

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Reports M32D	Jack Matthews	(301) 763-1462
Manufacturers' Shipments, Inventories, and Orders	Ruth Runyan	(301) 763-2502
Classification Systems Comparability	James Kristoff (ESD)	(301) 763-1935
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Foreign Trade	Trade Data Inquiries Staff (FTD)	(301) 763-5140
International Trade Administration	Charles Pitcher	(202) 377-0132

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